



AAFCO
Association of American Feed Control Officials



Animal Feed Scheme

Swine Feed, Residues

Test Material Code # 202524

Method Proficiency Testing Report

Labs Reporting: 161

Methods Reported 368

Issue Date : 05/31/2025

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs			
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0169	8.705	0.0100	9.376	0.5361	0.0159	4			0
001.00	Loss on Drying, Vac 95°C 5 hr (%)	2492	9.235	0.0100	9.376	0.5361	0.0159	4			0
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0027	9.607	0.0160	9.376	0.5361	0.0159	4			0
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0407	9.958	0.0274	9.376	0.5361	0.0159	4			0
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0504	9.660	0.1200	9.376	0.5361	0.0159	4			1
001.03	Loss on Drying, Low temp. methods (%)	0202	9.200	0.3000				2			0
001.03	Loss on Drying, Low temp. methods (%)	0843	9.505	0.2900				2			0
001.05	Loss on Drying, LECO (%)	0644	9.647	0.0050				1			0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0353	8.955	0.0300	9.711	0.3447	0.0975	43	-2.19	4%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0038	9.125	0.1700	9.711	0.3447	0.0975	43	-1.70	3%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2144	9.195	0.0300	9.711	0.3447	0.0975	43	-1.50	3%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2492	9.235	0.0300	9.711	0.3447	0.0975	43	-1.38	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0003	9.320	0.7200	9.711	0.3447	0.0975	43	-1.13	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0089	9.375	0.0100	9.711	0.3447	0.0975	43	-0.98	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2146	9.380	0.0400	9.711	0.3447	0.0975	43	-0.96	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0682	9.430	0.0000	9.711	0.3447	0.0975	43	-0.82	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0045	9.450	0.5000	9.711	0.3447	0.0975	43	-0.76	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0297	9.535	0.0300	9.711	0.3447	0.0975	43	-0.51	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0278	9.550	0.0400	9.711	0.3447	0.0975	43	-0.47	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0853	9.550	0.1000	9.711	0.3447	0.0975	43	-0.47	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0872	9.560	0.0600	9.711	0.3447	0.0975	43	-0.44	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0675	9.570	0.0400	9.711	0.3447	0.0975	43	-0.41	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0066	9.575	0.2100	9.711	0.3447	0.0975	43	-0.40	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2259	9.581	0.0060	9.711	0.3447	0.0975	43	-0.38	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2009	9.582	0.0168	9.711	0.3447	0.0975	43	-0.38	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0505	9.595	0.0300	9.711	0.3447	0.0975	43	-0.34	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0407	9.595	0.1644	9.711	0.3447	0.0975	43	-0.34	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0358	9.605	0.5700	9.711	0.3447	0.0975	43	-0.31	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2190	9.605	0.0100	9.711	0.3447	0.0975	43	-0.31	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0596	9.645	0.0500	9.711	0.3447	0.0975	43	-0.19	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0689	9.650	0.1000	9.711	0.3447	0.0975	43	-0.18	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2059	9.730	0.0400	9.711	0.3447	0.0975	43	0.05	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0015	9.735	0.2100	9.711	0.3447	0.0975	43	0.07	0%	0

Test Material Code # 202524			Method Proficiency Testing Report						Issue Date : 05/31/2025		
Method	Analyte	Lab	Lab Data		Robust* Method Values				AAFCO PT	Threshold	
Code	Name and Method (Units)	Code	Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs	Z Score	%RSD	Flag
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0033	9.750	0.1000	9.711	0.3447	0.0975	43	0.11	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0589	9.755	0.0700	9.711	0.3447	0.0975	43	0.13	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0035	9.810	0.0200	9.711	0.3447	0.0975	43	0.29	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0581	9.830	0.0600	9.711	0.3447	0.0975	43	0.34	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0590	9.845	0.1500	9.711	0.3447	0.0975	43	0.39	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0413	9.890	0.2000	9.711	0.3447	0.0975	43	0.52	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2192	9.930	0.0000	9.711	0.3447	0.0975	43	0.63	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0049	9.965	0.1100	9.711	0.3447	0.0975	43	0.74	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0650	9.980	0.0000	9.711	0.3447	0.0975	43	0.78	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0098	10.06	0.0700	9.711	0.3447	0.0975	43	1.00	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0148	10.06	0.0700	9.711	0.3447	0.0975	43	1.00	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0226	10.06	0.0100	9.711	0.3447	0.0975	43	1.00	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0028	10.09	0.1880	9.711	0.3447	0.0975	43	1.10	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0876	10.23	0.1220	9.711	0.3447	0.0975	43	1.49	3%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0074	10.25	0.5000	9.711	0.3447	0.0975	43	1.56	3%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0366	10.25	0.1000	9.711	0.3447	0.0975	43	1.56	3%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0083	10.29	0.0700	9.711	0.3447	0.0975	43	1.66	3%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0693	11.30	2.200	9.711	0.3447	0.0975	43	4.61	8%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0843	14.99	10.68	9.711	0.3447	0.0975	43	15.31	27%	2
001.99	Loss on Drying, Miscellaneous (%)	0618	6.300	0.1800	9.256	0.4851	0.1331	14	-6.09	16%	0
001.99	Loss on Drying, Miscellaneous (%)	2246	8.505	0.0678	9.256	0.4851	0.1331	14	-1.55	4%	0
001.99	Loss on Drying, Miscellaneous (%)	0186	8.857	0.3573	9.256	0.4851	0.1331	14	-0.82	2%	0
001.99	Loss on Drying, Miscellaneous (%)	0357	8.922	0.3627	9.256	0.4851	0.1331	14	-0.69	2%	0
001.99	Loss on Drying, Miscellaneous (%)	0019	8.990	0.0400	9.256	0.4851	0.1331	14	-0.55	1%	0
001.99	Loss on Drying, Miscellaneous (%)	0510	9.250	0.1000	9.256	0.4851	0.1331	14	-0.01	0%	0
001.99	Loss on Drying, Miscellaneous (%)	0918	9.435	0.1300	9.256	0.4851	0.1331	14	0.37	1%	0
001.99	Loss on Drying, Miscellaneous (%)	0948	9.435	0.0700	9.256	0.4851	0.1331	14	0.37	1%	0
001.99	Loss on Drying, Miscellaneous (%)	0852	9.470	0.0000	9.256	0.4851	0.1331	14	0.44	1%	0
001.99	Loss on Drying, Miscellaneous (%)	2268	9.510	0.2000	9.256	0.4851	0.1331	14	0.52	1%	0
001.99	Loss on Drying, Miscellaneous (%)	0676	9.530	0.0000	9.256	0.4851	0.1331	14	0.57	1%	0
001.99	Loss on Drying, Miscellaneous (%)	0610	9.540	0.0200	9.256	0.4851	0.1331	14	0.59	2%	0
001.99	Loss on Drying, Miscellaneous (%)	2319	9.600	0.0000	9.256	0.4851	0.1331	14	0.71	2%	0
001.99	Loss on Drying, Miscellaneous (%)	0536	11.35	0.0100	9.256	0.4851	0.1331	14	4.31	11%	0
001.99	Loss on Drying, Miscellaneous (%)	2155	8.735	1.090	9.256	0.4851	0.1331	14	-1.07	3%	1
001.99	Loss on Drying, Miscellaneous (%)	0596	90.89	0.1700	9.256	0.4851	0.1331	14	>100	441%	2
002.00	Protein, Crude, Crude (%)	0169	16.36	0.3300				1			0
002.01	Protein, Crude, Auto Kjel-Foss (%)	0656	14.54	0.0000	16.68	0.2279	0.0503	15	-9.40	6%	0
002.01	Protein, Crude, Auto Kjel-Foss (%)	0968	16.43	0.0000	16.68	0.2279	0.0503	15	-1.11	1%	0
002.01	Protein, Crude, Auto Kjel-Foss (%)	2196	16.46	0.0000	16.68	0.2279	0.0503	15	-0.97	1%	0
002.01	Protein, Crude, Auto Kjel-Foss (%)	2443	16.54	0.0490	16.68	0.2279	0.0503	15	-0.63	0%	0
002.01	Protein, Crude, Auto Kjel-Foss (%)	0870	16.57	0.0300	16.68	0.2279	0.0503	15	-0.51	0%	0
002.01	Protein, Crude, Auto Kjel-Foss (%)	2434	16.57	0.0000	16.68	0.2279	0.0503	15	-0.49	0%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs			
002.01	Protein, Crude, Auto Kjell-Foss (%)	2482	16.60	0.0400	16.68	0.2279	0.0503	15	-0.36	0%	0
002.01	Protein, Crude, Auto Kjell-Foss (%)	2259	16.68	0.0100	16.68	0.2279	0.0503	15	-0.02	0%	0
002.01	Protein, Crude, Auto Kjell-Foss (%)	0674	16.72	0.0000	16.68	0.2279	0.0503	15	0.17	0%	0
002.01	Protein, Crude, Auto Kjell-Foss (%)	0227	16.81	0.0000	16.68	0.2279	0.0503	15	0.56	0%	0
002.01	Protein, Crude, Auto Kjell-Foss (%)	0610	16.85	0.1000	16.68	0.2279	0.0503	15	0.74	1%	0
002.01	Protein, Crude, Auto Kjell-Foss (%)	2457	16.87	0.0740	16.68	0.2279	0.0503	15	0.82	1%	0
002.01	Protein, Crude, Auto Kjell-Foss (%)	2325	16.89	0.0100	16.68	0.2279	0.0503	15	0.89	1%	0
002.01	Protein, Crude, Auto Kjell-Foss (%)	2188	16.89	0.1000	16.68	0.2279	0.0503	15	0.91	1%	0
002.01	Protein, Crude, Auto Kjell-Foss (%)	2193	17.21	0.0400	16.68	0.2279	0.0503	15	2.32	2%	0
002.02	Protein, Crude, Semiauto Autoanalyzer (%)	0066	16.69	0.0400				1			0
002.04	Protein, Crude, Copper Catalyst (%)	0504	16.65	0.0200				1			0
002.05	Protein, Crude, Copper, Boric Acid (%)	2246	16.35	0.0126	16.67	0.1759	0.0911	20	-1.85	1%	0
002.05	Protein, Crude, Copper, Boric Acid (%)	0536	16.36	0.0300	16.67	0.1759	0.0911	20	-1.80	1%	0
002.05	Protein, Crude, Copper, Boric Acid (%)	0689	16.50	0.0000	16.67	0.1759	0.0911	20	-0.98	1%	0
002.05	Protein, Crude, Copper, Boric Acid (%)	2199	16.50	0.0000	16.67	0.1759	0.0911	20	-0.98	1%	0
002.05	Protein, Crude, Copper, Boric Acid (%)	2006	16.52	0.1400	16.67	0.1759	0.0911	20	-0.86	0%	0
002.05	Protein, Crude, Copper, Boric Acid (%)	2506	16.54	0.3300	16.67	0.1759	0.0911	20	-0.78	0%	0
002.05	Protein, Crude, Copper, Boric Acid (%)	0563	16.58	0.0066	16.67	0.1759	0.0911	20	-0.52	0%	0
002.05	Protein, Crude, Copper, Boric Acid (%)	0354	16.68	0.0600	16.67	0.1759	0.0911	20	0.05	0%	0
002.05	Protein, Crude, Copper, Boric Acid (%)	2144	16.70	0.1700	16.67	0.1759	0.0911	20	0.13	0%	0
002.05	Protein, Crude, Copper, Boric Acid (%)	0651	16.71	0.1216	16.67	0.1759	0.0911	20	0.20	0%	0
002.05	Protein, Crude, Copper, Boric Acid (%)	2190	16.71	0.0200	16.67	0.1759	0.0911	20	0.22	0%	0
002.05	Protein, Crude, Copper, Boric Acid (%)	2115	16.72	0.0300	16.67	0.1759	0.0911	20	0.25	0%	0
002.05	Protein, Crude, Copper, Boric Acid (%)	0948	16.73	0.0500	16.67	0.1759	0.0911	20	0.30	0%	0
002.05	Protein, Crude, Copper, Boric Acid (%)	2146	16.73	0.2400	16.67	0.1759	0.0911	20	0.33	0%	0
002.05	Protein, Crude, Copper, Boric Acid (%)	0939	16.74	0.0100	16.67	0.1759	0.0911	20	0.36	0%	0
002.05	Protein, Crude, Copper, Boric Acid (%)	0643	16.75	0.0200	16.67	0.1759	0.0911	20	0.43	0%	0
002.05	Protein, Crude, Copper, Boric Acid (%)	2009	16.85	0.0104	16.67	0.1759	0.0911	20	1.01	1%	0
002.05	Protein, Crude, Copper, Boric Acid (%)	2200	16.85	0.3000	16.67	0.1759	0.0911	20	1.01	1%	0
002.05	Protein, Crude, Copper, Boric Acid (%)	2514	16.91	0.1900	16.67	0.1759	0.0911	20	1.33	1%	0
002.05	Protein, Crude, Copper, Boric Acid (%)	2492	17.12	0.0400	16.67	0.1759	0.0911	20	2.55	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2476	15.98	0.2170	16.89	0.2354	0.1560	103	-3.86	3%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0108	16.25	0.5000	16.89	0.2354	0.1560	103	-2.70	2%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0510	16.25	0.1000	16.89	0.2354	0.1560	103	-2.70	2%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2246	16.30	0.0619	16.89	0.2354	0.1560	103	-2.50	2%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0089	16.32	0.0100	16.89	0.2354	0.1560	103	-2.42	2%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0676	16.39	0.2200	16.89	0.2354	0.1560	103	-2.10	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0880	16.40	0.0000	16.89	0.2354	0.1560	103	-2.06	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0675	16.44	0.2200	16.89	0.2354	0.1560	103	-1.89	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0539	16.50	0.2500	16.89	0.2354	0.1560	103	-1.66	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2349	16.55	0.5000	16.89	0.2354	0.1560	103	-1.42	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0028	16.62	0.1860	16.89	0.2354	0.1560	103	-1.15	1%	0

Test Material Code # 202524	Method Proficiency Testing Report	Issue Date : 05/31/2025
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Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs			
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0358	16.63	0.3600	16.89	0.2354	0.1560	103	-1.08	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0004	16.64	0.0900	16.89	0.2354	0.1560	103	-1.06	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2433	16.65	0.3000	16.89	0.2354	0.1560	103	-1.00	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2268	16.66	0.3000	16.89	0.2354	0.1560	103	-0.96	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0644	16.66	0.0420	16.89	0.2354	0.1560	103	-0.95	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0148	16.67	0.1100	16.89	0.2354	0.1560	103	-0.93	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2115	16.67	0.0300	16.89	0.2354	0.1560	103	-0.93	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0511	16.68	0.0400	16.89	0.2354	0.1560	103	-0.87	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0589	16.68	0.0200	16.89	0.2354	0.1560	103	-0.87	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0870	16.68	0.0249	16.89	0.2354	0.1560	103	-0.87	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0036	16.68	0.4270	16.89	0.2354	0.1560	103	-0.85	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0354	16.69	0.0000	16.89	0.2354	0.1560	103	-0.83	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0297	16.70	0.4000	16.89	0.2354	0.1560	103	-0.79	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0590	16.70	0.2000	16.89	0.2354	0.1560	103	-0.79	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0263	16.71	0.1000	16.89	0.2354	0.1560	103	-0.74	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0964	16.75	0.3300	16.89	0.2354	0.1560	103	-0.59	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0278	16.75	0.1000	16.89	0.2354	0.1560	103	-0.57	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0693	16.75	0.2500	16.89	0.2354	0.1560	103	-0.57	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0018	16.78	0.0500	16.89	0.2354	0.1560	103	-0.47	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0010	16.79	0.0660	16.89	0.2354	0.1560	103	-0.42	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0294	16.80	0.0500	16.89	0.2354	0.1560	103	-0.38	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0049	16.80	0.2000	16.89	0.2354	0.1560	103	-0.36	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2363	16.80	0.2000	16.89	0.2354	0.1560	103	-0.36	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0033	16.80	0.0000	16.89	0.2354	0.1560	103	-0.36	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0038	16.80	0.6000	16.89	0.2354	0.1560	103	-0.36	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0208	16.80	0.0000	16.89	0.2354	0.1560	103	-0.36	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0226	16.82	0.1100	16.89	0.2354	0.1560	103	-0.30	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0918	16.82	0.1200	16.89	0.2354	0.1560	103	-0.28	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0618	16.83	0.0100	16.89	0.2354	0.1560	103	-0.25	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0027	16.83	0.0630	16.89	0.2354	0.1560	103	-0.22	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0144	16.84	0.1300	16.89	0.2354	0.1560	103	-0.21	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0504	16.84	0.5400	16.89	0.2354	0.1560	103	-0.19	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0242	16.85	0.5900	16.89	0.2354	0.1560	103	-0.17	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0026	16.85	0.0210	16.89	0.2354	0.1560	103	-0.16	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0848	16.85	0.1000	16.89	0.2354	0.1560	103	-0.15	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0956	16.85	0.3000	16.89	0.2354	0.1560	103	-0.15	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2319	16.85	0.1000	16.89	0.2354	0.1560	103	-0.15	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2388	16.85	0.1000	16.89	0.2354	0.1560	103	-0.15	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0939	16.86	0.0400	16.89	0.2354	0.1560	103	-0.11	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0968	16.87	0.0300	16.89	0.2354	0.1560	103	-0.08	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2076	16.87	0.3050	16.89	0.2354	0.1560	103	-0.07	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0123	16.88	0.1100	16.89	0.2354	0.1560	103	-0.04	0%	0

Test Material Code # 202524	Method Proficiency Testing Report	Issue Date : 05/31/2025
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Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs			
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0035	16.88	0.0600	16.89	0.2354	0.1560	103	-0.02	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0074	16.88	0.3000	16.89	0.2354	0.1560	103	-0.02	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2150	16.89	0.0200	16.89	0.2354	0.1560	103	0.02	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0009	16.90	0.1000	16.89	0.2354	0.1560	103	0.06	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0045	16.90	0.2000	16.89	0.2354	0.1560	103	0.06	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0366	16.90	0.4000	16.89	0.2354	0.1560	103	0.06	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0413	16.90	0.0000	16.89	0.2354	0.1560	103	0.06	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0610	16.90	0.0000	16.89	0.2354	0.1560	103	0.06	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2184	16.90	0.1000	16.89	0.2354	0.1560	103	0.06	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0541	16.95	0.4700	16.89	0.2354	0.1560	103	0.25	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0098	16.95	0.1000	16.89	0.2354	0.1560	103	0.28	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0692	16.95	0.3000	16.89	0.2354	0.1560	103	0.28	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0003	16.96	0.4700	16.89	0.2354	0.1560	103	0.30	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0948	16.96	0.1200	16.89	0.2354	0.1560	103	0.32	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0876	16.98	0.1870	16.89	0.2354	0.1560	103	0.42	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0505	16.99	0.0200	16.89	0.2354	0.1560	103	0.45	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	1019	16.99	0.3400	16.89	0.2354	0.1560	103	0.45	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0353	17.00	0.2000	16.89	0.2354	0.1560	103	0.49	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0884	17.00	0.2000	16.89	0.2354	0.1560	103	0.49	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0407	17.00	0.2890	16.89	0.2354	0.1560	103	0.51	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0034	17.01	0.0100	16.89	0.2354	0.1560	103	0.55	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2174	17.02	0.5200	16.89	0.2354	0.1560	103	0.57	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0015	17.03	0.0100	16.89	0.2354	0.1560	103	0.59	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0227	17.03	0.0600	16.89	0.2354	0.1560	103	0.62	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0100	17.04	0.1900	16.89	0.2354	0.1560	103	0.64	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2129	17.04	0.0200	16.89	0.2354	0.1560	103	0.65	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0726	17.05	0.0200	16.89	0.2354	0.1560	103	0.70	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0042	17.05	0.1000	16.89	0.2354	0.1560	103	0.70	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0357	17.07	0.0344	16.89	0.2354	0.1560	103	0.79	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0001	17.08	0.0600	16.89	0.2354	0.1560	103	0.83	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0011	17.08	0.2200	16.89	0.2354	0.1560	103	0.83	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0872	17.09	0.0350	16.89	0.2354	0.1560	103	0.88	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0229	17.11	0.0800	16.89	0.2354	0.1560	103	0.96	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0171	17.13	0.0600	16.89	0.2354	0.1560	103	1.04	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0682	17.14	0.0000	16.89	0.2354	0.1560	103	1.08	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0574	17.16	0.0100	16.89	0.2354	0.1560	103	1.15	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0650	17.19	0.1900	16.89	0.2354	0.1560	103	1.27	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2302	17.19	0.0200	16.89	0.2354	0.1560	103	1.30	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0508	17.20	0.2540	16.89	0.2354	0.1560	103	1.33	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0083	17.20	0.1000	16.89	0.2354	0.1560	103	1.34	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0190	17.20	0.0000	16.89	0.2354	0.1560	103	1.34	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0723	17.21	0.0100	16.89	0.2354	0.1560	103	1.36	1%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs			
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0186	17.25	0.1000	16.89	0.2354	0.1560	103	1.55	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0843	17.31	0.0100	16.89	0.2354	0.1560	103	1.78	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0598	17.40	0.4100	16.89	0.2354	0.1560	103	2.17	2%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0953	17.45	0.2200	16.89	0.2354	0.1560	103	2.40	2%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0520	17.45	0.1625	16.89	0.2354	0.1560	103	2.40	2%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0202	17.50	0.2000	16.89	0.2354	0.1560	103	2.61	2%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2213	17.55	0.0600	16.89	0.2354	0.1560	103	2.83	2%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2057	17.79	0.0250	16.89	0.2354	0.1560	103	3.86	3%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0853	15.19	2.070	16.89	0.2354	0.1560	103	-7.22	5%	1
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2155	1.858	0.0560	16.89	0.2354	0.1560	103	-63.84	44%	2
002.08	Protein, Crude, Cu/Ti (%)	0563	16.60	0.2767				2			0
002.08	Protein, Crude, Cu/Ti (%)	0098	16.86	0.0600				2			0
002.11	Protein, Crude, NIR (%)	0553	16.12	0.0700	16.83	0.4120	0.0957	8	-1.74	2%	0
002.11	Protein, Crude, NIR (%)	0297	16.53	0.1600	16.83	0.4120	0.0957	8	-0.74	1%	0
002.11	Protein, Crude, NIR (%)	2022	16.78	0.0300	16.83	0.4120	0.0957	8	-0.14	0%	0
002.11	Protein, Crude, NIR (%)	0852	16.81	0.1600	16.83	0.4120	0.0957	8	-0.06	0%	0
002.11	Protein, Crude, NIR (%)	2105	16.84	0.0400	16.83	0.4120	0.0957	8	0.02	0%	0
002.11	Protein, Crude, NIR (%)	0047	16.90	0.0000	16.83	0.4120	0.0957	8	0.16	0%	0
002.11	Protein, Crude, NIR (%)	2302	17.23	0.0900	16.83	0.4120	0.0957	8	0.95	1%	0
002.11	Protein, Crude, NIR (%)	2386	17.37	0.1200	16.83	0.4120	0.0957	8	1.30	2%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	2457	2.475	0.0100	2.916	0.2538	0.0731	9	-1.74	8%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	2115	2.685	0.1500	2.916	0.2538	0.0731	9	-0.91	4%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	2190	2.820	0.0000	2.916	0.2538	0.0731	9	-0.38	2%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	2192	2.860	0.1400	2.916	0.2538	0.0731	9	-0.22	1%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	2482	2.861	0.0520	2.916	0.2538	0.0731	9	-0.22	1%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	0047	3.000	0.0000	2.916	0.2538	0.0731	9	0.33	1%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	0035	3.135	0.0300	2.916	0.2538	0.0731	9	0.86	4%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	2325	3.165	0.0100	2.916	0.2538	0.0731	9	0.98	4%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	0596	3.180	0.1200	2.916	0.2538	0.0731	9	1.04	5%	0
003.01	Fat, Crude, Diethyl Ether Ext (13th ed.), Indirec	0504	2.705	0.3100				2			0
003.01	Fat, Crude, Diethyl Ether Ext (13th ed.), Indirec	0563	2.825	0.0055				2			0
003.06	Fat, Crude, Pet Ether (%)	0169	2.480	0.0400	2.908	0.2471	0.0695	13	-1.73	7%	0
003.06	Fat, Crude, Pet Ether (%)	2492	2.575	0.0300	2.908	0.2471	0.0695	13	-1.35	6%	0
003.06	Fat, Crude, Pet Ether (%)	0675	2.680	0.0600	2.908	0.2471	0.0695	13	-0.92	4%	0
003.06	Fat, Crude, Pet Ether (%)	0884	2.800	0.0000	2.908	0.2471	0.0695	13	-0.44	2%	0
003.06	Fat, Crude, Pet Ether (%)	0674	2.860	0.0000	2.908	0.2471	0.0695	13	-0.19	1%	0
003.06	Fat, Crude, Pet Ether (%)	0229	2.910	0.1000	2.908	0.2471	0.0695	13	0.01	0%	0
003.06	Fat, Crude, Pet Ether (%)	0918	2.915	0.0300	2.908	0.2471	0.0695	13	0.03	0%	0
003.06	Fat, Crude, Pet Ether (%)	0294	2.960	0.1000	2.908	0.2471	0.0695	13	0.21	1%	0
003.06	Fat, Crude, Pet Ether (%)	0682	3.010	0.0000	2.908	0.2471	0.0695	13	0.41	2%	0
003.06	Fat, Crude, Pet Ether (%)	0297	3.050	0.0400	2.908	0.2471	0.0695	13	0.57	2%	0
003.06	Fat, Crude, Pet Ether (%)	0689	3.100	0.2000	2.908	0.2471	0.0695	13	0.78	3%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs			
003.06	Fat, Crude, Pet Ether (%)	0644	3.128	0.0160	2.908	0.2471	0.0695	13	0.89	4%	0
003.06	Fat, Crude, Pet Ether (%)	0939	3.355	0.1300	2.908	0.2471	0.0695	13	1.81	8%	0
003.06	Fat, Crude, Pet Ether (%)	0968	2.775	0.4700	2.908	0.2471	0.0695	13	-0.54	2%	1
003.09	Fat, Crude, Randall, Diethyl Ether Ext (%)	0964	2.685	0.0100	2.872	0.1192	0.0498	9	-1.57	3%	0
003.09	Fat, Crude, Randall, Diethyl Ether Ext (%)	2476	2.780	0.0390	2.872	0.1192	0.0498	9	-0.77	2%	0
003.09	Fat, Crude, Randall, Diethyl Ether Ext (%)	0948	2.785	0.0500	2.872	0.1192	0.0498	9	-0.73	2%	0
003.09	Fat, Crude, Randall, Diethyl Ether Ext (%)	0027	2.877	0.0100	2.872	0.1192	0.0498	9	0.04	0%	0
003.09	Fat, Crude, Randall, Diethyl Ether Ext (%)	0004	2.895	0.0700	2.872	0.1192	0.0498	9	0.20	0%	0
003.09	Fat, Crude, Randall, Diethyl Ether Ext (%)	0098	2.895	0.1700	2.872	0.1192	0.0498	9	0.20	0%	0
003.09	Fat, Crude, Randall, Diethyl Ether Ext (%)	2349	2.930	0.0000	2.872	0.1192	0.0498	9	0.49	1%	0
003.09	Fat, Crude, Randall, Diethyl Ether Ext (%)	0353	2.940	0.0800	2.872	0.1192	0.0498	9	0.57	1%	0
003.09	Fat, Crude, Randall, Diethyl Ether Ext (%)	0354	3.085	0.0300	2.872	0.1192	0.0498	9	1.79	4%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0042	2.430	0.1600	2.797	0.1593	0.1007	28	-2.30	7%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0036	2.620	0.2249	2.797	0.1593	0.1007	28	-1.11	3%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	2188	2.625	0.1500	2.797	0.1593	0.1007	28	-1.08	3%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	2434	2.630	0.0000	2.797	0.1593	0.1007	28	-1.05	3%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	2184	2.640	0.2000	2.797	0.1593	0.1007	28	-0.98	3%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	2506	2.645	0.0100	2.797	0.1593	0.1007	28	-0.95	3%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	2193	2.650	0.0200	2.797	0.1593	0.1007	28	-0.92	3%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0123	2.675	0.1900	2.797	0.1593	0.1007	28	-0.76	2%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0590	2.685	0.2500	2.797	0.1593	0.1007	28	-0.70	2%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0263	2.713	0.0260	2.797	0.1593	0.1007	28	-0.52	1%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0693	2.720	0.0400	2.797	0.1593	0.1007	28	-0.48	1%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	2196	2.750	0.0000	2.797	0.1593	0.1007	28	-0.29	1%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0045	2.770	0.0200	2.797	0.1593	0.1007	28	-0.17	0%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	2009	2.810	0.0039	2.797	0.1593	0.1007	28	0.08	0%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0242	2.810	0.0200	2.797	0.1593	0.1007	28	0.08	0%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0541	2.810	0.1400	2.797	0.1593	0.1007	28	0.08	0%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0098	2.825	0.1700	2.797	0.1593	0.1007	28	0.18	1%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0848	2.875	0.0700	2.797	0.1593	0.1007	28	0.49	1%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0870	2.880	0.0206	2.797	0.1593	0.1007	28	0.52	1%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0148	2.880	0.0400	2.797	0.1593	0.1007	28	0.52	1%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0689	2.900	0.0000	2.797	0.1593	0.1007	28	0.65	2%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	2514	2.918	0.0661	2.797	0.1593	0.1007	28	0.76	2%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0100	2.920	0.1600	2.797	0.1593	0.1007	28	0.77	2%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0676	2.925	0.0500	2.797	0.1593	0.1007	28	0.81	2%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0366	3.000	0.0000	2.797	0.1593	0.1007	28	1.28	4%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	2319	3.000	0.0000	2.797	0.1593	0.1007	28	1.28	4%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	2459	3.060	0.1000	2.797	0.1593	0.1007	28	1.65	5%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0610	3.140	0.2000	2.797	0.1593	0.1007	28	2.16	6%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0618	3.060	0.5800	2.797	0.1593	0.1007	28	1.65	5%	1
003.11	Fat, Crude, NIR (%)	2022	2.245	0.0100	2.952	0.5390	0.0292	6	-1.31	12%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs			
003.11	Fat, Crude, NIR (%)	2302	2.545	0.0300	2.952	0.5390	0.0292	6	-0.75	7%	0
003.11	Fat, Crude, NIR (%)	0553	2.895	0.1700	2.952	0.5390	0.0292	6	-0.11	1%	0
003.11	Fat, Crude, NIR (%)	2105	3.310	0.0200	2.952	0.5390	0.0292	6	0.66	6%	0
003.11	Fat, Crude, NIR (%)	0297	3.315	0.0100	2.952	0.5390	0.0292	6	0.67	6%	0
003.11	Fat, Crude, NIR (%)	0852	3.400	0.0400	2.952	0.5390	0.0292	6	0.83	8%	0
003.11	Fat, Crude, NIR (%)	2386	5.170	0.5400	2.952	0.5390	0.0292	6	4.12	38%	1
003.12	Fat, Crude, Hexane Ext (%)	0171	3.010	0.0200				3			0
003.12	Fat, Crude, Hexane Ext (%)	2199	3.015	0.3700				3			0
003.12	Fat, Crude, Hexane Ext (%)	2200	3.450	0.5000				3			0
003.13	Fat, Crude, Randall, Hexane Ext. (%)	2246	2.853	0.0304	3.141	0.2320	0.1726	4			0
003.13	Fat, Crude, Randall, Hexane Ext. (%)	0098	3.095	0.3700	3.141	0.2320	0.1726	4			0
003.13	Fat, Crude, Randall, Hexane Ext. (%)	2006	3.205	0.2300	3.141	0.2320	0.1726	4			0
003.13	Fat, Crude, Randall, Hexane Ext. (%)	0011	3.410	0.0600	3.141	0.2320	0.1726	4			0
003.14	Fat, Crude, Ankom (%)	2302	2.005	0.0300	2.803	0.2213	0.0920	55	-3.60	14%	0
003.14	Fat, Crude, Ankom (%)	0574	2.365	0.1100	2.803	0.2213	0.0920	55	-1.98	8%	0
003.14	Fat, Crude, Ankom (%)	0003	2.375	0.2100	2.803	0.2213	0.0920	55	-1.93	8%	0
003.14	Fat, Crude, Ankom (%)	0357	2.415	0.3100	2.803	0.2213	0.0920	55	-1.75	7%	0
003.14	Fat, Crude, Ankom (%)	0019	2.438	0.1650	2.803	0.2213	0.0920	55	-1.65	7%	0
003.14	Fat, Crude, Ankom (%)	0598	2.485	0.0300	2.803	0.2213	0.0920	55	-1.44	6%	0
003.14	Fat, Crude, Ankom (%)	0848	2.530	0.0200	2.803	0.2213	0.0920	55	-1.23	5%	0
003.14	Fat, Crude, Ankom (%)	0876	2.557	0.0660	2.803	0.2213	0.0920	55	-1.11	4%	0
003.14	Fat, Crude, Ankom (%)	0511	2.575	0.0300	2.803	0.2213	0.0920	55	-1.03	4%	0
003.14	Fat, Crude, Ankom (%)	0968	2.580	0.0000	2.803	0.2213	0.0920	55	-1.01	4%	0
003.14	Fat, Crude, Ankom (%)	0581	2.590	0.0600	2.803	0.2213	0.0920	55	-0.96	4%	0
003.14	Fat, Crude, Ankom (%)	0358	2.625	0.2100	2.803	0.2213	0.0920	55	-0.80	3%	0
003.14	Fat, Crude, Ankom (%)	2115	2.650	0.0400	2.803	0.2213	0.0920	55	-0.69	3%	0
003.14	Fat, Crude, Ankom (%)	0956	2.650	0.1000	2.803	0.2213	0.0920	55	-0.69	3%	0
003.14	Fat, Crude, Ankom (%)	0948	2.655	0.0100	2.803	0.2213	0.0920	55	-0.67	3%	0
003.14	Fat, Crude, Ankom (%)	0035	2.665	0.1700	2.803	0.2213	0.0920	55	-0.62	2%	0
003.14	Fat, Crude, Ankom (%)	2076	2.726	0.0602	2.803	0.2213	0.0920	55	-0.35	1%	0
003.14	Fat, Crude, Ankom (%)	0049	2.745	0.3100	2.803	0.2213	0.0920	55	-0.26	1%	0
003.14	Fat, Crude, Ankom (%)	0033	2.750	0.1000	2.803	0.2213	0.0920	55	-0.24	1%	0
003.14	Fat, Crude, Ankom (%)	0651	2.765	0.1550	2.803	0.2213	0.0920	55	-0.17	1%	0
003.14	Fat, Crude, Ankom (%)	0089	2.765	0.0100	2.803	0.2213	0.0920	55	-0.17	1%	0
003.14	Fat, Crude, Ankom (%)	0108	2.770	0.0200	2.803	0.2213	0.0920	55	-0.15	1%	0
003.14	Fat, Crude, Ankom (%)	0505	2.770	0.1600	2.803	0.2213	0.0920	55	-0.15	1%	0
003.14	Fat, Crude, Ankom (%)	0074	2.775	0.1100	2.803	0.2213	0.0920	55	-0.13	0%	0
003.14	Fat, Crude, Ankom (%)	2057	2.803	0.0250	2.803	0.2213	0.0920	55	0.00	0%	0
003.14	Fat, Crude, Ankom (%)	0004	2.810	0.0200	2.803	0.2213	0.0920	55	0.03	0%	0
003.14	Fat, Crude, Ankom (%)	0066	2.825	0.0100	2.803	0.2213	0.0920	55	0.10	0%	0
003.14	Fat, Crude, Ankom (%)	0009	2.840	0.0800	2.803	0.2213	0.0920	55	0.17	1%	0
003.14	Fat, Crude, Ankom (%)	0407	2.844	0.0023	2.803	0.2213	0.0920	55	0.19	1%	0

Test Material Code # 202524			Method Proficiency Testing Report						Issue Date : 05/31/2025		
Method	Analyte	Lab	Lab Data		Robust* Method Values				AAFCO PT	Threshold	
Code	Name and Method (Units)	Code	Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs	Z Score	%RSD	Flag
003.14	Fat, Crude, Ankom (%)	0563	2.847	0.0244	2.803	0.2213	0.0920	55	0.20	1%	0
003.14	Fat, Crude, Ankom (%)	0229	2.850	0.1800	2.803	0.2213	0.0920	55	0.21	1%	0
003.14	Fat, Crude, Ankom (%)	0278	2.850	0.3000	2.803	0.2213	0.0920	55	0.21	1%	0
003.14	Fat, Crude, Ankom (%)	0034	2.855	0.0300	2.803	0.2213	0.0920	55	0.24	1%	0
003.14	Fat, Crude, Ankom (%)	2144	2.855	0.0500	2.803	0.2213	0.0920	55	0.24	1%	0
003.14	Fat, Crude, Ankom (%)	0083	2.865	0.0900	2.803	0.2213	0.0920	55	0.28	1%	0
003.14	Fat, Crude, Ankom (%)	0675	2.870	0.1000	2.803	0.2213	0.0920	55	0.30	1%	0
003.14	Fat, Crude, Ankom (%)	0171	2.875	0.0500	2.803	0.2213	0.0920	55	0.33	1%	0
003.14	Fat, Crude, Ankom (%)	2146	2.880	0.1000	2.803	0.2213	0.0920	55	0.35	1%	0
003.14	Fat, Crude, Ankom (%)	2433	2.880	0.1653	2.803	0.2213	0.0920	55	0.35	1%	0
003.14	Fat, Crude, Ankom (%)	0148	2.890	0.0400	2.803	0.2213	0.0920	55	0.39	2%	0
003.14	Fat, Crude, Ankom (%)	0202	2.890	0.1200	2.803	0.2213	0.0920	55	0.39	2%	0
003.14	Fat, Crude, Ankom (%)	0723	2.925	0.0300	2.803	0.2213	0.0920	55	0.55	2%	0
003.14	Fat, Crude, Ankom (%)	0015	2.945	0.1100	2.803	0.2213	0.0920	55	0.64	3%	0
003.14	Fat, Crude, Ankom (%)	0853	2.950	0.1000	2.803	0.2213	0.0920	55	0.67	3%	0
003.14	Fat, Crude, Ankom (%)	0001	2.951	0.2430	2.803	0.2213	0.0920	55	0.67	3%	0
003.14	Fat, Crude, Ankom (%)	0186	2.960	0.1400	2.803	0.2213	0.0920	55	0.71	3%	0
003.14	Fat, Crude, Ankom (%)	0028	2.976	0.1530	2.803	0.2213	0.0920	55	0.78	3%	0
003.14	Fat, Crude, Ankom (%)	0692	3.045	0.0900	2.803	0.2213	0.0920	55	1.09	4%	0
003.14	Fat, Crude, Ankom (%)	0682	3.080	0.0000	2.803	0.2213	0.0920	55	1.25	5%	0
003.14	Fat, Crude, Ankom (%)	0413	3.195	0.0900	2.803	0.2213	0.0920	55	1.77	7%	0
003.14	Fat, Crude, Ankom (%)	0190	3.300	0.1000	2.803	0.2213	0.0920	55	2.25	9%	0
003.14	Fat, Crude, Ankom (%)	0226	3.300	0.1000	2.803	0.2213	0.0920	55	2.25	9%	0
003.14	Fat, Crude, Ankom (%)	0510	3.420	0.0600	2.803	0.2213	0.0920	55	2.79	11%	0
003.14	Fat, Crude, Ankom (%)	0726	3.420	0.1000	2.803	0.2213	0.0920	55	2.79	11%	0
003.14	Fat, Crude, Ankom (%)	0520	3.630	0.1000	2.803	0.2213	0.0920	55	3.74	15%	0
003.14	Fat, Crude, Ankom (%)	2129	2.565	0.5040	2.803	0.2213	0.0920	55	-1.07	4%	1
003.14	Fat, Crude, Ankom (%)	0144	3.040	0.5800	2.803	0.2213	0.0920	55	1.07	4%	1
003.99	Fat, Crude, Miscellaneous (%)	0880	0.8500	0.1000				3			0
003.99	Fat, Crude, Miscellaneous (%)	0536	2.945	0.0100				3			0
003.99	Fat, Crude, Miscellaneous (%)	1019	6.505	0.3100				3			0
004.00	Fiber, Crude, Asbestos Free (%)	0169	3.315	0.1100	3.819	0.2760	0.1190	7	-1.83	7%	0
004.00	Fiber, Crude, Asbestos Free (%)	0186	3.660	0.1600	3.819	0.2760	0.1190	7	-0.58	2%	0
004.00	Fiber, Crude, Asbestos Free (%)	0227	3.750	0.1000	3.819	0.2760	0.1190	7	-0.25	1%	0
004.00	Fiber, Crude, Asbestos Free (%)	0208	3.860	0.2400	3.819	0.2760	0.1190	7	0.15	1%	0
004.00	Fiber, Crude, Asbestos Free (%)	0171	3.900	0.1000	3.819	0.2760	0.1190	7	0.29	1%	0
004.00	Fiber, Crude, Asbestos Free (%)	2146	4.010	0.0800	3.819	0.2760	0.1190	7	0.69	2%	0
004.00	Fiber, Crude, Asbestos Free (%)	0884	4.150	0.1000	3.819	0.2760	0.1190	7	1.20	4%	0
004.03	Fiber, Crude, Fritted Glass (%)	0353	3.645	0.0100				3			0
004.03	Fiber, Crude, Fritted Glass (%)	2246	3.807	0.2792				3			0
004.03	Fiber, Crude, Fritted Glass (%)	2192	5.085	0.1700				3			0
004.06	Fiber, Crude, Fibertec (%)	0674	3.450	0.0000	3.877	0.3487	0.1139	15	-1.22	6%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs			
004.06	Fiber, Crude, Fibertec (%)	0948	3.525	0.0500	3.877	0.3487	0.1139	15	-1.01	5%	0
004.06	Fiber, Crude, Fibertec (%)	2325	3.600	0.0200	3.877	0.3487	0.1139	15	-0.79	4%	0
004.06	Fiber, Crude, Fibertec (%)	0098	3.645	0.2500	3.877	0.3487	0.1139	15	-0.67	3%	0
004.06	Fiber, Crude, Fibertec (%)	0968	3.655	0.0100	3.877	0.3487	0.1139	15	-0.64	3%	0
004.06	Fiber, Crude, Fibertec (%)	2506	3.660	0.0000	3.877	0.3487	0.1139	15	-0.62	3%	0
004.06	Fiber, Crude, Fibertec (%)	0038	3.770	0.0400	3.877	0.3487	0.1139	15	-0.31	1%	0
004.06	Fiber, Crude, Fibertec (%)	2006	3.845	0.0700	3.877	0.3487	0.1139	15	-0.09	0%	0
004.06	Fiber, Crude, Fibertec (%)	2200	3.900	0.0000	3.877	0.3487	0.1139	15	0.07	0%	0
004.06	Fiber, Crude, Fibertec (%)	0689	3.950	0.3000	3.877	0.3487	0.1139	15	0.21	1%	0
004.06	Fiber, Crude, Fibertec (%)	0027	3.972	0.0540	3.877	0.3487	0.1139	15	0.27	1%	0
004.06	Fiber, Crude, Fibertec (%)	0964	4.100	0.0400	3.877	0.3487	0.1139	15	0.64	3%	0
004.06	Fiber, Crude, Fibertec (%)	0610	4.285	0.1100	3.877	0.3487	0.1139	15	1.17	5%	0
004.06	Fiber, Crude, Fibertec (%)	2349	4.400	0.0000	3.877	0.3487	0.1139	15	1.50	7%	0
004.06	Fiber, Crude, Fibertec (%)	0676	4.560	0.3400	3.877	0.3487	0.1139	15	1.96	9%	0
004.06	Fiber, Crude, Fibertec (%)	2199	2.765	0.5700	3.877	0.3487	0.1139	15	-3.19	14%	1
004.07	Fiber, Crude, ANKOM (%)	0202	2.840	0.2000	3.656	0.3419	0.1596	74	-2.39	11%	0
004.07	Fiber, Crude, ANKOM (%)	0723	2.985	0.0100	3.656	0.3419	0.1596	74	-1.96	9%	0
004.07	Fiber, Crude, ANKOM (%)	0028	2.988	0.4450	3.656	0.3419	0.1596	74	-1.96	9%	0
004.07	Fiber, Crude, ANKOM (%)	2193	3.085	0.0700	3.656	0.3419	0.1596	74	-1.67	8%	0
004.07	Fiber, Crude, ANKOM (%)	0407	3.146	0.3073	3.656	0.3419	0.1596	74	-1.49	7%	0
004.07	Fiber, Crude, ANKOM (%)	0596	3.195	0.5500	3.656	0.3419	0.1596	74	-1.35	6%	0
004.07	Fiber, Crude, ANKOM (%)	0860	3.230	0.0000	3.656	0.3419	0.1596	74	-1.25	6%	0
004.07	Fiber, Crude, ANKOM (%)	0004	3.250	0.2600	3.656	0.3419	0.1596	74	-1.19	6%	0
004.07	Fiber, Crude, ANKOM (%)	0948	3.270	0.0400	3.656	0.3419	0.1596	74	-1.13	5%	0
004.07	Fiber, Crude, ANKOM (%)	0089	3.285	0.0500	3.656	0.3419	0.1596	74	-1.09	5%	0
004.07	Fiber, Crude, ANKOM (%)	2482	3.308	0.0330	3.656	0.3419	0.1596	74	-1.02	5%	0
004.07	Fiber, Crude, ANKOM (%)	0100	3.325	0.0500	3.656	0.3419	0.1596	74	-0.97	5%	0
004.07	Fiber, Crude, ANKOM (%)	0504	3.325	0.0100	3.656	0.3419	0.1596	74	-0.97	5%	0
004.07	Fiber, Crude, ANKOM (%)	0644	3.332	0.1200	3.656	0.3419	0.1596	74	-0.95	4%	0
004.07	Fiber, Crude, ANKOM (%)	0366	3.350	0.1000	3.656	0.3419	0.1596	74	-0.89	4%	0
004.07	Fiber, Crude, ANKOM (%)	0968	3.350	0.0200	3.656	0.3419	0.1596	74	-0.89	4%	0
004.07	Fiber, Crude, ANKOM (%)	2457	3.350	0.1800	3.656	0.3419	0.1596	74	-0.89	4%	0
004.07	Fiber, Crude, ANKOM (%)	0098	3.370	0.0200	3.656	0.3419	0.1596	74	-0.84	4%	0
004.07	Fiber, Crude, ANKOM (%)	0278	3.400	0.0000	3.656	0.3419	0.1596	74	-0.75	4%	0
004.07	Fiber, Crude, ANKOM (%)	0589	3.410	0.2000	3.656	0.3419	0.1596	74	-0.72	3%	0
004.07	Fiber, Crude, ANKOM (%)	2188	3.475	0.1100	3.656	0.3419	0.1596	74	-0.53	2%	0
004.07	Fiber, Crude, ANKOM (%)	0148	3.490	0.2400	3.656	0.3419	0.1596	74	-0.49	2%	0
004.07	Fiber, Crude, ANKOM (%)	0692	3.500	0.2000	3.656	0.3419	0.1596	74	-0.46	2%	0
004.07	Fiber, Crude, ANKOM (%)	2190	3.505	0.1100	3.656	0.3419	0.1596	74	-0.44	2%	0
004.07	Fiber, Crude, ANKOM (%)	0354	3.515	0.0100	3.656	0.3419	0.1596	74	-0.41	2%	0
004.07	Fiber, Crude, ANKOM (%)	2322	3.515	0.3300	3.656	0.3419	0.1596	74	-0.41	2%	0
004.07	Fiber, Crude, ANKOM (%)	0263	3.552	0.0850	3.656	0.3419	0.1596	74	-0.31	1%	0

Test Material Code # 202524	Method Proficiency Testing Report	Issue Date : 05/31/2025
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Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs	Z Score	%RSD	
004.07	Fiber, Crude, ANKOM (%)	0536	3.555	0.0900	3.656	0.3419	0.1596	74	-0.30	1%	0
004.07	Fiber, Crude, ANKOM (%)	0726	3.555	0.0500	3.656	0.3419	0.1596	74	-0.30	1%	0
004.07	Fiber, Crude, ANKOM (%)	0918	3.565	0.0700	3.656	0.3419	0.1596	74	-0.27	1%	0
004.07	Fiber, Crude, ANKOM (%)	0019	3.583	0.3650	3.656	0.3419	0.1596	74	-0.22	1%	0
004.07	Fiber, Crude, ANKOM (%)	0190	3.600	0.0000	3.656	0.3419	0.1596	74	-0.16	1%	0
004.07	Fiber, Crude, ANKOM (%)	2196	3.630	0.0000	3.656	0.3419	0.1596	74	-0.08	0%	0
004.07	Fiber, Crude, ANKOM (%)	0675	3.635	0.1700	3.656	0.3419	0.1596	74	-0.06	0%	0
004.07	Fiber, Crude, ANKOM (%)	0035	3.650	0.0800	3.656	0.3419	0.1596	74	-0.02	0%	0
004.07	Fiber, Crude, ANKOM (%)	2009	3.665	0.0703	3.656	0.3419	0.1596	74	0.03	0%	0
004.07	Fiber, Crude, ANKOM (%)	0848	3.670	0.1200	3.656	0.3419	0.1596	74	0.04	0%	0
004.07	Fiber, Crude, ANKOM (%)	0083	3.675	0.1700	3.656	0.3419	0.1596	74	0.06	0%	0
004.07	Fiber, Crude, ANKOM (%)	2433	3.680	0.0261	3.656	0.3419	0.1596	74	0.07	0%	0
004.07	Fiber, Crude, ANKOM (%)	2514	3.700	0.0200	3.656	0.3419	0.1596	74	0.13	1%	0
004.07	Fiber, Crude, ANKOM (%)	0015	3.710	0.0400	3.656	0.3419	0.1596	74	0.16	1%	0
004.07	Fiber, Crude, ANKOM (%)	0563	3.714	0.0965	3.656	0.3419	0.1596	74	0.17	1%	0
004.07	Fiber, Crude, ANKOM (%)	0870	3.718	0.5988	3.656	0.3419	0.1596	74	0.18	1%	0
004.07	Fiber, Crude, ANKOM (%)	0598	3.720	0.2400	3.656	0.3419	0.1596	74	0.19	1%	0
004.07	Fiber, Crude, ANKOM (%)	0553	3.735	0.1500	3.656	0.3419	0.1596	74	0.23	1%	0
004.07	Fiber, Crude, ANKOM (%)	0413	3.750	0.1000	3.656	0.3419	0.1596	74	0.27	1%	0
004.07	Fiber, Crude, ANKOM (%)	0003	3.755	0.3900	3.656	0.3419	0.1596	74	0.29	1%	0
004.07	Fiber, Crude, ANKOM (%)	0066	3.755	0.0300	3.656	0.3419	0.1596	74	0.29	1%	0
004.07	Fiber, Crude, ANKOM (%)	0123	3.770	0.1000	3.656	0.3419	0.1596	74	0.33	2%	0
004.07	Fiber, Crude, ANKOM (%)	0939	3.770	0.5400	3.656	0.3419	0.1596	74	0.33	2%	0
004.07	Fiber, Crude, ANKOM (%)	2434	3.780	0.0000	3.656	0.3419	0.1596	74	0.36	2%	0
004.07	Fiber, Crude, ANKOM (%)	0511	3.800	0.0000	3.656	0.3419	0.1596	74	0.42	2%	0
004.07	Fiber, Crude, ANKOM (%)	0520	3.800	0.2200	3.656	0.3419	0.1596	74	0.42	2%	0
004.07	Fiber, Crude, ANKOM (%)	0682	3.800	0.0000	3.656	0.3419	0.1596	74	0.42	2%	0
004.07	Fiber, Crude, ANKOM (%)	0956	3.850	0.3000	3.656	0.3419	0.1596	74	0.57	3%	0
004.07	Fiber, Crude, ANKOM (%)	0242	3.855	0.3900	3.656	0.3419	0.1596	74	0.58	3%	0
004.07	Fiber, Crude, ANKOM (%)	0643	3.888	0.0040	3.656	0.3419	0.1596	74	0.68	3%	0
004.07	Fiber, Crude, ANKOM (%)	0042	3.915	0.1300	3.656	0.3419	0.1596	74	0.76	4%	0
004.07	Fiber, Crude, ANKOM (%)	0505	3.945	0.0100	3.656	0.3419	0.1596	74	0.85	4%	0
004.07	Fiber, Crude, ANKOM (%)	0581	3.955	0.0900	3.656	0.3419	0.1596	74	0.87	4%	0
004.07	Fiber, Crude, ANKOM (%)	0034	3.960	0.4000	3.656	0.3419	0.1596	74	0.89	4%	0
004.07	Fiber, Crude, ANKOM (%)	0009	3.965	0.0100	3.656	0.3419	0.1596	74	0.90	4%	0
004.07	Fiber, Crude, ANKOM (%)	0045	4.010	0.2600	3.656	0.3419	0.1596	74	1.04	5%	0
004.07	Fiber, Crude, ANKOM (%)	2302	4.035	0.1100	3.656	0.3419	0.1596	74	1.11	5%	0
004.07	Fiber, Crude, ANKOM (%)	2259	4.086	0.3250	3.656	0.3419	0.1596	74	1.26	6%	0
004.07	Fiber, Crude, ANKOM (%)	0294	4.090	0.1800	3.656	0.3419	0.1596	74	1.27	6%	0
004.07	Fiber, Crude, ANKOM (%)	2146	4.090	0.1600	3.656	0.3419	0.1596	74	1.27	6%	0
004.07	Fiber, Crude, ANKOM (%)	2144	4.130	0.0600	3.656	0.3419	0.1596	74	1.39	6%	0
004.07	Fiber, Crude, ANKOM (%)	2476	4.397	0.4060	3.656	0.3419	0.1596	74	2.17	10%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs			
004.07	Fiber, Crude, ANKOM (%)	0876	4.517	1.110	3.656	0.3419	0.1596	74	2.52	12%	0
004.07	Fiber, Crude, ANKOM (%)	0229	4.580	0.5000	3.656	0.3419	0.1596	74	2.70	13%	0
004.07	Fiber, Crude, ANKOM (%)	0510	4.650	0.1000	3.656	0.3419	0.1596	74	2.91	14%	0
004.07	Fiber, Crude, ANKOM (%)	0226	4.715	0.1300	3.656	0.3419	0.1596	74	3.10	14%	0
004.07	Fiber, Crude, ANKOM (%)	0011	5.260	0.1400	3.656	0.3419	0.1596	74	4.69	22%	0
004.07	Fiber, Crude, ANKOM (%)	0074	5.095	2.230	3.656	0.3419	0.1596	74	4.21	20%	1
004.07	Fiber, Crude, ANKOM (%)	0693	8.095	0.2100	3.656	0.3419	0.1596	74	12.98	61%	2
004.11	Fiber, Crude, NIR (%)	0047	3.900	0.0000	5.587	2.799	0.2320	6	-0.60	15%	0
004.11	Fiber, Crude, NIR (%)	0852	4.010	0.0200	5.587	2.799	0.2320	6	-0.56	14%	0
004.11	Fiber, Crude, NIR (%)	2302	4.095	0.3700	5.587	2.799	0.2320	6	-0.53	13%	0
004.11	Fiber, Crude, NIR (%)	0553	4.265	0.0500	5.587	2.799	0.2320	6	-0.47	12%	0
004.11	Fiber, Crude, NIR (%)	2386	7.465	0.3300	5.587	2.799	0.2320	6	0.67	17%	0
004.11	Fiber, Crude, NIR (%)	2105	14.35	0.3900	5.587	2.799	0.2320	6	3.13	78%	0
004.11	Fiber, Crude, NIR (%)	2022	3.295	2.090	5.587	2.799	0.2320	6	-0.82	21%	1
004.99	Fiber, Crude, Miscellaneous (%)	2129	3.114	0.3160				2			0
004.99	Fiber, Crude, Miscellaneous (%)	2144	4.010	0.1000				2			0
005.00	Ash, 2h @ 600°C (%)	0049	4.775	0.5500	5.236	0.1637	0.0605	89	-2.81	4%	0
005.00	Ash, 2h @ 600°C (%)	0186	4.791	0.2472	5.236	0.1637	0.0605	89	-2.72	4%	0
005.00	Ash, 2h @ 600°C (%)	0953	4.915	0.0100	5.236	0.1637	0.0605	89	-1.96	3%	0
005.00	Ash, 2h @ 600°C (%)	0169	4.920	0.0200	5.236	0.1637	0.0605	89	-1.93	3%	0
005.00	Ash, 2h @ 600°C (%)	2433	4.959	0.0590	5.236	0.1637	0.0605	89	-1.69	3%	0
005.00	Ash, 2h @ 600°C (%)	1019	4.970	0.1000	5.236	0.1637	0.0605	89	-1.62	3%	0
005.00	Ash, 2h @ 600°C (%)	2184	4.970	0.0200	5.236	0.1637	0.0605	89	-1.62	3%	0
005.00	Ash, 2h @ 600°C (%)	0539	4.990	0.0400	5.236	0.1637	0.0605	89	-1.50	2%	0
005.00	Ash, 2h @ 600°C (%)	0004	5.000	0.1000	5.236	0.1637	0.0605	89	-1.44	2%	0
005.00	Ash, 2h @ 600°C (%)	0208	5.040	0.0600	5.236	0.1637	0.0605	89	-1.20	2%	0
005.00	Ash, 2h @ 600°C (%)	0650	5.040	0.0000	5.236	0.1637	0.0605	89	-1.20	2%	0
005.00	Ash, 2h @ 600°C (%)	2200	5.050	0.1000	5.236	0.1637	0.0605	89	-1.14	2%	0
005.00	Ash, 2h @ 600°C (%)	0520	5.055	0.0100	5.236	0.1637	0.0605	89	-1.10	2%	0
005.00	Ash, 2h @ 600°C (%)	0541	5.065	0.0100	5.236	0.1637	0.0605	89	-1.04	2%	0
005.00	Ash, 2h @ 600°C (%)	0848	5.070	0.0200	5.236	0.1637	0.0605	89	-1.01	2%	0
005.00	Ash, 2h @ 600°C (%)	0011	5.075	0.0300	5.236	0.1637	0.0605	89	-0.98	2%	0
005.00	Ash, 2h @ 600°C (%)	0505	5.075	0.0700	5.236	0.1637	0.0605	89	-0.98	2%	0
005.00	Ash, 2h @ 600°C (%)	0027	5.078	0.0180	5.236	0.1637	0.0605	89	-0.96	2%	0
005.00	Ash, 2h @ 600°C (%)	0574	5.090	0.1400	5.236	0.1637	0.0605	89	-0.89	1%	0
005.00	Ash, 2h @ 600°C (%)	0227	5.100	0.0000	5.236	0.1637	0.0605	89	-0.83	1%	0
005.00	Ash, 2h @ 600°C (%)	0366	5.100	0.2000	5.236	0.1637	0.0605	89	-0.83	1%	0
005.00	Ash, 2h @ 600°C (%)	0956	5.100	0.2000	5.236	0.1637	0.0605	89	-0.83	1%	0
005.00	Ash, 2h @ 600°C (%)	0651	5.113	0.1976	5.236	0.1637	0.0605	89	-0.75	1%	0
005.00	Ash, 2h @ 600°C (%)	0042	5.115	0.0300	5.236	0.1637	0.0605	89	-0.74	1%	0
005.00	Ash, 2h @ 600°C (%)	2459	5.125	0.0500	5.236	0.1637	0.0605	89	-0.68	1%	0
005.00	Ash, 2h @ 600°C (%)	0171	5.145	0.0100	5.236	0.1637	0.0605	89	-0.55	1%	0

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Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs			
005.00	Ash, 2h @ 600°C (%)	0964	5.145	0.0300	5.236	0.1637	0.0605	89	-0.55	1%	0
005.00	Ash, 2h @ 600°C (%)	0918	5.155	0.0300	5.236	0.1637	0.0605	89	-0.49	1%	0
005.00	Ash, 2h @ 600°C (%)	0089	5.160	0.0000	5.236	0.1637	0.0605	89	-0.46	1%	0
005.00	Ash, 2h @ 600°C (%)	0504	5.170	0.0600	5.236	0.1637	0.0605	89	-0.40	1%	0
005.00	Ash, 2h @ 600°C (%)	2196	5.170	0.0000	5.236	0.1637	0.0605	89	-0.40	1%	0
005.00	Ash, 2h @ 600°C (%)	0358	5.180	0.0200	5.236	0.1637	0.0605	89	-0.34	1%	0
005.00	Ash, 2h @ 600°C (%)	0563	5.185	0.0220	5.236	0.1637	0.0605	89	-0.31	0%	0
005.00	Ash, 2h @ 600°C (%)	0876	5.194	0.0680	5.236	0.1637	0.0605	89	-0.26	0%	0
005.00	Ash, 2h @ 600°C (%)	0035	5.195	0.1300	5.236	0.1637	0.0605	89	-0.25	0%	0
005.00	Ash, 2h @ 600°C (%)	0226	5.195	0.0500	5.236	0.1637	0.0605	89	-0.25	0%	0
005.00	Ash, 2h @ 600°C (%)	0357	5.200	0.0000	5.236	0.1637	0.0605	89	-0.22	0%	0
005.00	Ash, 2h @ 600°C (%)	2150	5.200	0.2600	5.236	0.1637	0.0605	89	-0.22	0%	0
005.00	Ash, 2h @ 600°C (%)	0045	5.205	0.2100	5.236	0.1637	0.0605	89	-0.19	0%	0
005.00	Ash, 2h @ 600°C (%)	2325	5.205	0.0100	5.236	0.1637	0.0605	89	-0.19	0%	0
005.00	Ash, 2h @ 600°C (%)	0001	5.210	0.0410	5.236	0.1637	0.0605	89	-0.16	0%	0
005.00	Ash, 2h @ 600°C (%)	2349	5.215	0.0300	5.236	0.1637	0.0605	89	-0.13	0%	0
005.00	Ash, 2h @ 600°C (%)	2302	5.220	0.0400	5.236	0.1637	0.0605	89	-0.10	0%	0
005.00	Ash, 2h @ 600°C (%)	0598	5.230	0.0600	5.236	0.1637	0.0605	89	-0.04	0%	0
005.00	Ash, 2h @ 600°C (%)	0853	5.250	0.1000	5.236	0.1637	0.0605	89	0.09	0%	0
005.00	Ash, 2h @ 600°C (%)	2268	5.265	0.3300	5.236	0.1637	0.0605	89	0.18	0%	0
005.00	Ash, 2h @ 600°C (%)	0148	5.270	0.0800	5.236	0.1637	0.0605	89	0.21	0%	0
005.00	Ash, 2h @ 600°C (%)	0278	5.280	0.0400	5.236	0.1637	0.0605	89	0.27	0%	0
005.00	Ash, 2h @ 600°C (%)	0083	5.290	0.0600	5.236	0.1637	0.0605	89	0.33	1%	0
005.00	Ash, 2h @ 600°C (%)	0229	5.295	0.1300	5.236	0.1637	0.0605	89	0.36	1%	0
005.00	Ash, 2h @ 600°C (%)	0033	5.300	0.0000	5.236	0.1637	0.0605	89	0.39	1%	0
005.00	Ash, 2h @ 600°C (%)	0675	5.300	0.0200	5.236	0.1637	0.0605	89	0.39	1%	0
005.00	Ash, 2h @ 600°C (%)	0015	5.300	0.1200	5.236	0.1637	0.0605	89	0.39	1%	0
005.00	Ash, 2h @ 600°C (%)	0553	5.305	0.0100	5.236	0.1637	0.0605	89	0.42	1%	0
005.00	Ash, 2h @ 600°C (%)	0682	5.310	0.0000	5.236	0.1637	0.0605	89	0.45	1%	0
005.00	Ash, 2h @ 600°C (%)	2188	5.320	0.0600	5.236	0.1637	0.0605	89	0.51	1%	0
005.00	Ash, 2h @ 600°C (%)	0870	5.325	0.0235	5.236	0.1637	0.0605	89	0.54	1%	0
005.00	Ash, 2h @ 600°C (%)	0100	5.325	0.1300	5.236	0.1637	0.0605	89	0.54	1%	0
005.00	Ash, 2h @ 600°C (%)	0510	5.325	0.0100	5.236	0.1637	0.0605	89	0.54	1%	0
005.00	Ash, 2h @ 600°C (%)	0723	5.325	0.0100	5.236	0.1637	0.0605	89	0.54	1%	0
005.00	Ash, 2h @ 600°C (%)	2022	5.325	0.0100	5.236	0.1637	0.0605	89	0.54	1%	0
005.00	Ash, 2h @ 600°C (%)	0108	5.330	0.1000	5.236	0.1637	0.0605	89	0.58	1%	0
005.00	Ash, 2h @ 600°C (%)	2246	5.339	0.0353	5.236	0.1637	0.0605	89	0.63	1%	0
005.00	Ash, 2h @ 600°C (%)	2199	5.345	0.0100	5.236	0.1637	0.0605	89	0.67	1%	0
005.00	Ash, 2h @ 600°C (%)	0144	5.350	0.0200	5.236	0.1637	0.0605	89	0.70	1%	0
005.00	Ash, 2h @ 600°C (%)	2259	5.358	0.0810	5.236	0.1637	0.0605	89	0.74	1%	0
005.00	Ash, 2h @ 600°C (%)	0354	5.360	0.0200	5.236	0.1637	0.0605	89	0.76	1%	0
005.00	Ash, 2h @ 600°C (%)	0880	5.360	0.3600	5.236	0.1637	0.0605	89	0.76	1%	0

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Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs			
005.00	Ash, 2h @ 600°C (%)	0242	5.365	0.1900	5.236	0.1637	0.0605	89	0.79	1%	0
005.00	Ash, 2h @ 600°C (%)	0589	5.370	0.0400	5.236	0.1637	0.0605	89	0.82	1%	0
005.00	Ash, 2h @ 600°C (%)	2434	5.370	0.0000	5.236	0.1637	0.0605	89	0.82	1%	0
005.00	Ash, 2h @ 600°C (%)	0038	5.375	0.0900	5.236	0.1637	0.0605	89	0.85	1%	0
005.00	Ash, 2h @ 600°C (%)	0674	5.380	0.0000	5.236	0.1637	0.0605	89	0.88	1%	0
005.00	Ash, 2h @ 600°C (%)	0968	5.380	0.0200	5.236	0.1637	0.0605	89	0.88	1%	0
005.00	Ash, 2h @ 600°C (%)	2006	5.385	0.1900	5.236	0.1637	0.0605	89	0.91	1%	0
005.00	Ash, 2h @ 600°C (%)	2193	5.390	0.0400	5.236	0.1637	0.0605	89	0.94	1%	0
005.00	Ash, 2h @ 600°C (%)	0098	5.395	0.1100	5.236	0.1637	0.0605	89	0.97	2%	0
005.00	Ash, 2h @ 600°C (%)	0353	5.400	0.0600	5.236	0.1637	0.0605	89	1.00	2%	0
005.00	Ash, 2h @ 600°C (%)	2476	5.404	0.0450	5.236	0.1637	0.0605	89	1.02	2%	0
005.00	Ash, 2h @ 600°C (%)	0656	5.410	0.0000	5.236	0.1637	0.0605	89	1.06	2%	0
005.00	Ash, 2h @ 600°C (%)	0407	5.419	0.0036	5.236	0.1637	0.0605	89	1.12	2%	0
005.00	Ash, 2h @ 600°C (%)	2076	5.423	0.0059	5.236	0.1637	0.0605	89	1.15	2%	0
005.00	Ash, 2h @ 600°C (%)	2457	5.425	0.0300	5.236	0.1637	0.0605	89	1.16	2%	0
005.00	Ash, 2h @ 600°C (%)	2115	5.435	0.0300	5.236	0.1637	0.0605	89	1.22	2%	0
005.00	Ash, 2h @ 600°C (%)	0693	5.445	0.0500	5.236	0.1637	0.0605	89	1.28	2%	0
005.00	Ash, 2h @ 600°C (%)	0297	5.455	0.0100	5.236	0.1637	0.0605	89	1.34	2%	0
005.00	Ash, 2h @ 600°C (%)	2506	5.465	0.0500	5.236	0.1637	0.0605	89	1.40	2%	0
005.00	Ash, 2h @ 600°C (%)	0123	5.475	0.0300	5.236	0.1637	0.0605	89	1.46	2%	0
005.00	Ash, 2h @ 600°C (%)	0948	5.490	0.0000	5.236	0.1637	0.0605	89	1.55	2%	0
005.00	Ash, 2h @ 600°C (%)	0618	10.19	5.540	5.236	0.1637	0.0605	89	30.26	47%	2
005.02	Ash, LECO (%)	0644	5.569	0.0120				1			0
005.03	Ash, Microwave furnace (%)	0511	4.750	0.1000				1			0
005.05	Ash, 3h @ 550°C (%)	0003	4.880	0.0600	5.435	0.1726	0.0597	23	-3.21	5%	0
005.05	Ash, 3h @ 550°C (%)	0692	5.035	0.1300	5.435	0.1726	0.0597	23	-2.32	4%	0
005.05	Ash, 3h @ 550°C (%)	0726	5.070	0.1400	5.435	0.1726	0.0597	23	-2.11	3%	0
005.05	Ash, 3h @ 550°C (%)	0413	5.175	0.1700	5.435	0.1726	0.0597	23	-1.50	2%	0
005.05	Ash, 3h @ 550°C (%)	0263	5.247	0.0060	5.435	0.1726	0.0597	23	-1.09	2%	0
005.05	Ash, 3h @ 550°C (%)	2192	5.370	0.2000	5.435	0.1726	0.0597	23	-0.38	1%	0
005.05	Ash, 3h @ 550°C (%)	2492	5.410	0.0000	5.435	0.1726	0.0597	23	-0.14	0%	0
005.05	Ash, 3h @ 550°C (%)	0643	5.424	0.0480	5.435	0.1726	0.0597	23	-0.06	0%	0
005.05	Ash, 3h @ 550°C (%)	0066	5.440	0.0200	5.435	0.1726	0.0597	23	0.03	0%	0
005.05	Ash, 3h @ 550°C (%)	0590	5.455	0.0300	5.435	0.1726	0.0597	23	0.12	0%	0
005.05	Ash, 3h @ 550°C (%)	2482	5.456	0.0020	5.435	0.1726	0.0597	23	0.12	0%	0
005.05	Ash, 3h @ 550°C (%)	0939	5.460	0.0000	5.435	0.1726	0.0597	23	0.15	0%	0
005.05	Ash, 3h @ 550°C (%)	0610	5.470	0.0000	5.435	0.1726	0.0597	23	0.20	0%	0
005.05	Ash, 3h @ 550°C (%)	2009	5.476	0.0910	5.435	0.1726	0.0597	23	0.24	0%	0
005.05	Ash, 3h @ 550°C (%)	0190	5.490	0.0200	5.435	0.1726	0.0597	23	0.32	1%	0
005.05	Ash, 3h @ 550°C (%)	0689	5.515	0.0700	5.435	0.1726	0.0597	23	0.46	1%	0
005.05	Ash, 3h @ 550°C (%)	2190	5.515	0.0300	5.435	0.1726	0.0597	23	0.46	1%	0
005.05	Ash, 3h @ 550°C (%)	0294	5.520	0.0400	5.435	0.1726	0.0597	23	0.49	1%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs			
005.05	Ash, 3h @ 550°C (%)	2144	5.520	0.0600	5.435	0.1726	0.0597	23	0.49	1%	0
005.05	Ash, 3h @ 550°C (%)	0875	5.560	0.0200	5.435	0.1726	0.0597	23	0.73	1%	0
005.05	Ash, 3h @ 550°C (%)	2146	5.610	0.0000	5.435	0.1726	0.0597	23	1.02	2%	0
005.05	Ash, 3h @ 550°C (%)	2246	5.665	0.0228	5.435	0.1726	0.0597	23	1.33	2%	0
005.05	Ash, 3h @ 550°C (%)	2129	5.833	0.0650	5.435	0.1726	0.0597	23	2.30	4%	0
005.05	Ash, 3h @ 550°C (%)	0034	5.376	0.3173	5.435	0.1726	0.0597	23	-0.34	1%	1
005.11	Ash, NIR (%)	2302	4.555	0.1700	6.338	1.691	0.1129	7	-1.05	14%	0
005.11	Ash, NIR (%)	2386	5.380	0.1200	6.338	1.691	0.1129	7	-0.57	8%	0
005.11	Ash, NIR (%)	2022	5.625	0.0100	6.338	1.691	0.1129	7	-0.42	6%	0
005.11	Ash, NIR (%)	0047	6.050	0.1000	6.338	1.691	0.1129	7	-0.17	2%	0
005.11	Ash, NIR (%)	0297	6.060	0.2000	6.338	1.691	0.1129	7	-0.16	2%	0
005.11	Ash, NIR (%)	0852	7.845	0.1500	6.338	1.691	0.1129	7	0.89	12%	0
005.11	Ash, NIR (%)	2105	8.850	0.0400	6.338	1.691	0.1129	7	1.49	20%	0
005.99	Ash, Miscellaneous (%)	0019	4.925	0.0500	5.366	0.2306	0.0350	6	-1.91	4%	0
005.99	Ash, Miscellaneous (%)	0536	5.285	0.0100	5.366	0.2306	0.0350	6	-0.35	1%	0
005.99	Ash, Miscellaneous (%)	0676	5.340	0.0200	5.366	0.2306	0.0350	6	-0.11	0%	0
005.99	Ash, Miscellaneous (%)	0202	5.450	0.0600	5.366	0.2306	0.0350	6	0.37	1%	0
005.99	Ash, Miscellaneous (%)	0884	5.500	0.0000	5.366	0.2306	0.0350	6	0.58	1%	0
005.99	Ash, Miscellaneous (%)	2319	5.600	0.0000	5.366	0.2306	0.0350	6	1.02	2%	0
006.00	Total Sugars, As sucrose (%)	0407	5.506	0.1520				1			0
006.99	Total Sugars, Miscellaneous (%)	0852	3.575	0.0300	4.852	0.9026	0.3690	4			0
006.99	Total Sugars, Miscellaneous (%)	2246	4.879	0.4361	4.852	0.9026	0.3690	4			0
006.99	Total Sugars, Miscellaneous (%)	0226	5.355	0.0100	4.852	0.9026	0.3690	4			0
006.99	Total Sugars, Miscellaneous (%)	0956	5.600	1.000	4.852	0.9026	0.3690	4			0
008.02	Fiber, Acid Detergent, Crucible (%)	0676	4.100	0.2000	5.327	0.4386	0.1796	12	-2.80	12%	0
008.02	Fiber, Acid Detergent, Crucible (%)	0689	5.050	0.5000	5.327	0.4386	0.1796	12	-0.63	3%	0
008.02	Fiber, Acid Detergent, Crucible (%)	0948	5.075	0.1500	5.327	0.4386	0.1796	12	-0.57	2%	0
008.02	Fiber, Acid Detergent, Crucible (%)	2192	5.105	0.5700	5.327	0.4386	0.1796	12	-0.51	2%	0
008.02	Fiber, Acid Detergent, Crucible (%)	0098	5.140	0.0600	5.327	0.4386	0.1796	12	-0.43	2%	0
008.02	Fiber, Acid Detergent, Crucible (%)	2246	5.227	0.0320	5.327	0.4386	0.1796	12	-0.23	1%	0
008.02	Fiber, Acid Detergent, Crucible (%)	0964	5.235	0.0700	5.327	0.4386	0.1796	12	-0.21	1%	0
008.02	Fiber, Acid Detergent, Crucible (%)	0353	5.360	0.2800	5.327	0.4386	0.1796	12	0.07	0%	0
008.02	Fiber, Acid Detergent, Crucible (%)	0148	5.495	0.1700	5.327	0.4386	0.1796	12	0.38	2%	0
008.02	Fiber, Acid Detergent, Crucible (%)	0674	5.600	0.0000	5.327	0.4386	0.1796	12	0.62	3%	0
008.02	Fiber, Acid Detergent, Crucible (%)	0226	6.065	0.1300	5.327	0.4386	0.1796	12	1.68	7%	0
008.02	Fiber, Acid Detergent, Crucible (%)	0171	6.460	0.0800	5.327	0.4386	0.1796	12	2.58	11%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0504	4.115	0.1300	5.240	0.3645	0.2223	50	-3.09	11%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0004	4.490	0.1600	5.240	0.3645	0.2223	50	-2.06	7%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0939	4.600	0.1200	5.240	0.3645	0.2223	50	-1.76	6%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0948	4.645	0.8300	5.240	0.3645	0.2223	50	-1.63	6%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0536	4.665	0.0500	5.240	0.3645	0.2223	50	-1.58	5%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0354	4.690	0.0400	5.240	0.3645	0.2223	50	-1.51	5%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs			
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0968	4.760	0.1800	5.240	0.3645	0.2223	50	-1.32	5%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0848	4.825	0.1300	5.240	0.3645	0.2223	50	-1.14	4%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0675	4.865	0.3700	5.240	0.3645	0.2223	50	-1.03	4%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0066	4.970	0.1000	5.240	0.3645	0.2223	50	-0.74	3%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	2129	4.997	0.2670	5.240	0.3645	0.2223	50	-0.67	2%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0357	5.000	0.1000	5.240	0.3645	0.2223	50	-0.66	2%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	2196	5.030	0.0000	5.240	0.3645	0.2223	50	-0.58	2%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0278	5.050	0.5000	5.240	0.3645	0.2223	50	-0.52	2%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0413	5.050	0.1000	5.240	0.3645	0.2223	50	-0.52	2%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0358	5.060	0.2400	5.240	0.3645	0.2223	50	-0.49	2%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	2146	5.065	0.1500	5.240	0.3645	0.2223	50	-0.48	2%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0083	5.070	0.2000	5.240	0.3645	0.2223	50	-0.47	2%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0956	5.100	0.4000	5.240	0.3645	0.2223	50	-0.38	1%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	2302	5.150	0.3000	5.240	0.3645	0.2223	50	-0.25	1%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0297	5.200	0.4000	5.240	0.3645	0.2223	50	-0.11	0%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0693	5.235	0.2300	5.240	0.3645	0.2223	50	-0.01	0%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0511	5.250	0.1000	5.240	0.3645	0.2223	50	0.03	0%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	2457	5.250	0.0600	5.240	0.3645	0.2223	50	0.03	0%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0263	5.257	0.0000	5.240	0.3645	0.2223	50	0.05	0%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0294	5.285	0.2100	5.240	0.3645	0.2223	50	0.12	0%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0407	5.302	0.1450	5.240	0.3645	0.2223	50	0.17	1%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0042	5.335	0.0900	5.240	0.3645	0.2223	50	0.26	1%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0596	5.340	0.0200	5.240	0.3645	0.2223	50	0.27	1%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0049	5.355	0.1900	5.240	0.3645	0.2223	50	0.32	1%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	2322	5.355	0.2900	5.240	0.3645	0.2223	50	0.32	1%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0918	5.410	0.2000	5.240	0.3645	0.2223	50	0.47	2%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0870	5.441	0.1853	5.240	0.3645	0.2223	50	0.55	2%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0190	5.450	0.4600	5.240	0.3645	0.2223	50	0.58	2%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	2433	5.453	0.3140	5.240	0.3645	0.2223	50	0.58	2%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0015	5.475	0.5100	5.240	0.3645	0.2223	50	0.65	2%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	2514	5.480	0.0200	5.240	0.3645	0.2223	50	0.66	2%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0001	5.498	0.3580	5.240	0.3645	0.2223	50	0.71	2%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0366	5.500	0.6000	5.240	0.3645	0.2223	50	0.71	2%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0876	5.500	0.4000	5.240	0.3645	0.2223	50	0.71	2%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0035	5.505	0.0700	5.240	0.3645	0.2223	50	0.73	3%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0148	5.545	0.0500	5.240	0.3645	0.2223	50	0.84	3%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0723	5.545	0.2700	5.240	0.3645	0.2223	50	0.84	3%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0656	5.550	0.0000	5.240	0.3645	0.2223	50	0.85	3%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	2190	5.610	0.0800	5.240	0.3645	0.2223	50	1.02	4%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0045	5.635	0.3300	5.240	0.3645	0.2223	50	1.08	4%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0726	5.720	0.1000	5.240	0.3645	0.2223	50	1.32	5%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0581	6.025	0.3300	5.240	0.3645	0.2223	50	2.15	7%	0

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			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs			
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0227	6.100	0.2000	5.240	0.3645	0.2223	50	2.36	8%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0510	6.950	0.5000	5.240	0.3645	0.2223	50	4.69	16%	0
008.99	Fiber, Acid Detergent, Miscellaneous (%)	0027	5.253	0.0260				2			0
008.99	Fiber, Acid Detergent, Miscellaneous (%)	0610	5.960	0.2800				2			0
009.07	Fiber, Neutral Detergent, AOAC -ENZ Pretreat	0353	13.38	0.1600	14.51	0.9703	0.2078	10	-1.16	4%	0
009.07	Fiber, Neutral Detergent, AOAC -ENZ Pretreat	0948	13.50	0.0900	14.51	0.9703	0.2078	10	-1.04	3%	0
009.07	Fiber, Neutral Detergent, AOAC -ENZ Pretreat	0674	14.00	0.0000	14.51	0.9703	0.2078	10	-0.52	2%	0
009.07	Fiber, Neutral Detergent, AOAC -ENZ Pretreat	0964	14.15	0.1000	14.51	0.9703	0.2078	10	-0.37	1%	0
009.07	Fiber, Neutral Detergent, AOAC -ENZ Pretreat	2192	14.18	0.0200	14.51	0.9703	0.2078	10	-0.34	1%	0
009.07	Fiber, Neutral Detergent, AOAC -ENZ Pretreat	0098	14.35	0.5000	14.51	0.9703	0.2078	10	-0.16	1%	0
009.07	Fiber, Neutral Detergent, AOAC -ENZ Pretreat	0226	14.82	0.3000	14.51	0.9703	0.2078	10	0.32	1%	0
009.07	Fiber, Neutral Detergent, AOAC -ENZ Pretreat	0610	15.15	0.3000	14.51	0.9703	0.2078	10	0.66	2%	0
009.07	Fiber, Neutral Detergent, AOAC -ENZ Pretreat	2246	15.65	0.1052	14.51	0.9703	0.2078	10	1.17	4%	0
009.07	Fiber, Neutral Detergent, AOAC -ENZ Pretreat	0676	15.91	0.3400	14.51	0.9703	0.2078	10	1.44	5%	0
009.07	Fiber, Neutral Detergent, AOAC -ENZ Pretreat	0689	13.85	1.500	14.51	0.9703	0.2078	10	-0.68	2%	1
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0504	12.03	0.1000	13.69	0.7127	0.3205	45	-2.33	6%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	2433	12.53	0.5912	13.69	0.7127	0.3205	45	-1.63	4%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0263	12.62	0.2790	13.69	0.7127	0.3205	45	-1.49	4%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0723	12.80	0.4000	13.69	0.7127	0.3205	45	-1.25	3%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0598	12.84	0.0200	13.69	0.7127	0.3205	45	-1.19	3%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0358	12.89	0.1300	13.69	0.7127	0.3205	45	-1.13	3%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0870	13.10	0.8271	13.69	0.7127	0.3205	45	-0.82	2%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0675	13.13	0.3300	13.69	0.7127	0.3205	45	-0.79	2%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0948	13.16	0.0400	13.69	0.7127	0.3205	45	-0.74	2%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0918	13.20	0.8900	13.69	0.7127	0.3205	45	-0.69	2%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0693	13.22	0.1100	13.69	0.7127	0.3205	45	-0.66	2%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0015	13.27	0.2300	13.69	0.7127	0.3205	45	-0.59	2%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	2322	13.27	0.2600	13.69	0.7127	0.3205	45	-0.59	2%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0581	13.32	0.6000	13.69	0.7127	0.3205	45	-0.52	1%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0939	13.35	0.3200	13.69	0.7127	0.3205	45	-0.47	1%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0083	13.48	0.2700	13.69	0.7127	0.3205	45	-0.30	1%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0413	13.50	0.0000	13.69	0.7127	0.3205	45	-0.26	1%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0596	13.50	0.2600	13.69	0.7127	0.3205	45	-0.26	1%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0536	13.51	0.0500	13.69	0.7127	0.3205	45	-0.26	1%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	2196	13.51	0.0000	13.69	0.7127	0.3205	45	-0.25	1%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0049	13.52	0.4000	13.69	0.7127	0.3205	45	-0.24	1%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0407	13.53	0.0682	13.69	0.7127	0.3205	45	-0.23	1%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0294	13.59	0.1800	13.69	0.7127	0.3205	45	-0.14	0%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	2190	13.62	0.1500	13.69	0.7127	0.3205	45	-0.10	0%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0035	13.66	0.0900	13.69	0.7127	0.3205	45	-0.05	0%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	2129	13.68	0.8480	13.69	0.7127	0.3205	45	-0.01	0%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0656	13.74	0.0000	13.69	0.7127	0.3205	45	0.07	0%	0

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009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (	0278	13.80	1.000	13.69	0.7127	0.3205	45	0.16	0%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (	0297	13.80	0.0000	13.69	0.7127	0.3205	45	0.16	0%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (	0066	13.85	0.1400	13.69	0.7127	0.3205	45	0.23	1%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (	0366	13.95	0.5000	13.69	0.7127	0.3205	45	0.37	1%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (	0045	14.05	0.3000	13.69	0.7127	0.3205	45	0.51	1%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (	2146	14.10	0.2100	13.69	0.7127	0.3205	45	0.57	1%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (	0354	14.12	0.2200	13.69	0.7127	0.3205	45	0.61	2%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (	0848	14.13	0.0800	13.69	0.7127	0.3205	45	0.62	2%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (	0357	14.15	0.1300	13.69	0.7127	0.3205	45	0.64	2%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (	2302	14.27	0.2600	13.69	0.7127	0.3205	45	0.82	2%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (	0148	14.49	0.5900	13.69	0.7127	0.3205	45	1.12	3%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (	0968	14.60	0.4500	13.69	0.7127	0.3205	45	1.27	3%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (	2457	14.70	0.6000	13.69	0.7127	0.3205	45	1.42	4%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (	0227	14.80	0.2000	13.69	0.7127	0.3205	45	1.56	4%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (	0510	15.20	0.0000	13.69	0.7127	0.3205	45	2.12	6%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (	0956	15.25	0.7000	13.69	0.7127	0.3205	45	2.19	6%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (	0726	16.21	0.4100	13.69	0.7127	0.3205	45	3.53	9%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (	0190	17.62	0.4400	13.69	0.7127	0.3205	45	5.52	14%	0
010.03	Moisture, Karl-Fischer (%)	0843	9.475	0.6500				2			0
010.03	Moisture, Karl-Fischer (%)	0227	9.630	0.1000				2			0
010.11	Moisture, NIR (%)	2386	9.570	0.1800	9.895	0.4558	0.1150	4			0
010.11	Moisture, NIR (%)	0047	9.700	0.2000	9.895	0.4558	0.1150	4			0
010.11	Moisture, NIR (%)	0553	9.740	0.0400	9.895	0.4558	0.1150	4			0
010.11	Moisture, NIR (%)	0852	10.57	0.0400	9.895	0.4558	0.1150	4			0
010.11	Moisture, NIR (%)	2105	7.215	0.6500	9.895	0.4558	0.1150	4			1
010.99	Moisture, Miscellaneous (%)	0726	6.635	0.0300	9.717	0.4099	0.0691	17	-7.52	16%	0
010.99	Moisture, Miscellaneous (%)	0011	7.215	0.0100	9.717	0.4099	0.0691	17	-6.10	13%	0
010.99	Moisture, Miscellaneous (%)	0948	9.435	0.0700	9.717	0.4099	0.0691	17	-0.69	1%	0
010.99	Moisture, Miscellaneous (%)	0852	9.470	0.0000	9.717	0.4099	0.0691	17	-0.60	1%	0
010.99	Moisture, Miscellaneous (%)	0884	9.500	0.0000	9.717	0.4099	0.0691	17	-0.53	1%	0
010.99	Moisture, Miscellaneous (%)	2115	9.585	0.0100	9.717	0.4099	0.0691	17	-0.32	1%	0
010.99	Moisture, Miscellaneous (%)	0939	9.590	0.0400	9.717	0.4099	0.0691	17	-0.31	1%	0
010.99	Moisture, Miscellaneous (%)	0034	9.675	0.0900	9.717	0.4099	0.0691	17	-0.10	0%	0
010.99	Moisture, Miscellaneous (%)	2506	9.710	0.0400	9.717	0.4099	0.0691	17	-0.02	0%	0
010.99	Moisture, Miscellaneous (%)	2129	9.736	0.3780	9.717	0.4099	0.0691	17	0.05	0%	0
010.99	Moisture, Miscellaneous (%)	0875	9.755	0.0100	9.717	0.4099	0.0691	17	0.09	0%	0
010.99	Moisture, Miscellaneous (%)	2076	9.840	0.0200	9.717	0.4099	0.0691	17	0.30	1%	0
010.99	Moisture, Miscellaneous (%)	0692	9.875	0.2100	9.717	0.4099	0.0691	17	0.38	1%	0
010.99	Moisture, Miscellaneous (%)	2150	9.900	0.3400	9.717	0.4099	0.0691	17	0.45	1%	0
010.99	Moisture, Miscellaneous (%)	0190	10.26	0.0100	9.717	0.4099	0.0691	17	1.31	3%	0
010.99	Moisture, Miscellaneous (%)	0019	10.39	0.1250	9.717	0.4099	0.0691	17	1.63	3%	0
010.99	Moisture, Miscellaneous (%)	2476	11.25	0.0210	9.717	0.4099	0.0691	17	3.74	8%	0

Test Material Code # 202524	Method Proficiency Testing Report	Issue Date : 05/31/2025
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Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs			
011.01	Loss on Drying, HT, 135°C 2hr (%)	2246	8.488	0.0404	10.48	0.3719	0.0968	59	-5.37	10%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0520	9.135	0.0300	10.48	0.3719	0.0968	59	-3.63	6%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	1019	9.300	0.1200	10.48	0.3719	0.0968	59	-3.18	6%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	2200	9.350	0.1000	10.48	0.3719	0.0968	59	-3.05	5%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	2199	9.590	0.5400	10.48	0.3719	0.0968	59	-2.40	4%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	2325	9.725	0.0100	10.48	0.3719	0.0968	59	-2.04	4%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0598	9.955	0.0100	10.48	0.3719	0.0968	59	-1.42	3%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0563	10.01	0.0085	10.48	0.3719	0.0968	59	-1.28	2%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0354	10.06	0.1400	10.48	0.3719	0.0968	59	-1.14	2%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0953	10.08	0.0600	10.48	0.3719	0.0968	59	-1.09	2%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0539	10.12	0.0100	10.48	0.3719	0.0968	59	-0.99	2%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0651	10.18	0.1215	10.48	0.3719	0.0968	59	-0.81	1%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	2174	10.19	0.2400	10.48	0.3719	0.0968	59	-0.79	1%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0553	10.24	0.1600	10.48	0.3719	0.0968	59	-0.66	1%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0208	10.25	0.1000	10.48	0.3719	0.0968	59	-0.63	1%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0108	10.26	0.0000	10.48	0.3719	0.0968	59	-0.60	1%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	2457	10.27	0.0200	10.48	0.3719	0.0968	59	-0.58	1%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0675	10.31	0.1800	10.48	0.3719	0.0968	59	-0.47	1%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0674	10.35	0.0000	10.48	0.3719	0.0968	59	-0.36	1%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	2459	10.36	0.2000	10.48	0.3719	0.0968	59	-0.33	1%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	2057	10.38	0.0371	10.48	0.3719	0.0968	59	-0.29	1%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0643	10.38	0.0240	10.48	0.3719	0.0968	59	-0.29	1%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	2188	10.44	0.0100	10.48	0.3719	0.0968	59	-0.13	0%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	2196	10.44	0.0000	10.48	0.3719	0.0968	59	-0.12	0%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0511	10.46	0.1000	10.48	0.3719	0.0968	59	-0.07	0%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	2193	10.46	0.1800	10.48	0.3719	0.0968	59	-0.07	0%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0723	10.47	0.0300	10.48	0.3719	0.0968	59	-0.05	0%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	2006	10.47	0.0800	10.48	0.3719	0.0968	59	-0.04	0%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0100	10.49	0.1100	10.48	0.3719	0.0968	59	0.00	0%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0294	10.51	0.0300	10.48	0.3719	0.0968	59	0.06	0%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0263	10.51	0.0500	10.48	0.3719	0.0968	59	0.07	0%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	2482	10.52	0.0000	10.48	0.3719	0.0968	59	0.10	0%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0171	10.54	0.1500	10.48	0.3719	0.0968	59	0.14	0%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0536	10.56	0.0100	10.48	0.3719	0.0968	59	0.19	0%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0968	10.56	0.0300	10.48	0.3719	0.0968	59	0.19	0%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	2302	10.57	0.0700	10.48	0.3719	0.0968	59	0.22	0%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	2433	10.59	0.2118	10.48	0.3719	0.0968	59	0.29	1%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0574	10.63	0.0100	10.48	0.3719	0.0968	59	0.38	1%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0848	10.65	0.0600	10.48	0.3719	0.0968	59	0.45	1%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	2022	10.69	0.0100	10.48	0.3719	0.0968	59	0.54	1%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0226	10.69	0.0700	10.48	0.3719	0.0968	59	0.54	1%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0144	10.70	0.0300	10.48	0.3719	0.0968	59	0.57	1%	0

Test Material Code # 202524

Method Proficiency Testing Report

Issue Date : 05/31/2025

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs			
011.01	Loss on Drying, HT, 135°C 2hr (%)	0066	10.70	0.0400	10.48	0.3719	0.0968	59	0.58	1%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	2184	10.70	0.0000	10.48	0.3719	0.0968	59	0.58	1%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0618	10.74	0.0200	10.48	0.3719	0.0968	59	0.69	1%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0682	10.78	0.0000	10.48	0.3719	0.0968	59	0.80	1%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0123	10.79	0.1800	10.48	0.3719	0.0968	59	0.82	1%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0004	10.80	0.1400	10.48	0.3719	0.0968	59	0.85	2%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0948	10.81	0.0500	10.48	0.3719	0.0968	59	0.86	2%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	2434	10.82	0.0000	10.48	0.3719	0.0968	59	0.90	2%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0870	10.82	0.2558	10.48	0.3719	0.0968	59	0.91	2%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0589	10.89	0.4100	10.48	0.3719	0.0968	59	1.08	2%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0510	10.90	0.4000	10.48	0.3719	0.0968	59	1.12	2%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0541	10.91	0.1200	10.48	0.3719	0.0968	59	1.14	2%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0242	10.98	0.3100	10.48	0.3719	0.0968	59	1.32	2%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0229	11.01	0.1600	10.48	0.3719	0.0968	59	1.41	3%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0880	11.01	0.0800	10.48	0.3719	0.0968	59	1.41	3%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0407	11.08	0.0325	10.48	0.3719	0.0968	59	1.61	3%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0227	11.18	0.3400	10.48	0.3719	0.0968	59	1.87	3%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	2268	10.36	0.9300	10.48	0.3719	0.0968	59	-0.35	1%	1
011.01	Loss on Drying, HT, 135°C 2hr (%)	0843	10.55	0.8300	10.48	0.3719	0.0968	59	0.16	0%	1
011.01	Loss on Drying, HT, 135°C 2hr (%)	0098	10.95	0.7500	10.48	0.3719	0.0968	59	1.24	2%	1
011.02	Loss on Drying, HT, 130°C for 2 hours (%)	0942	10.22	0.1300				1			0
011.99	Loss on Drying, HT, High Temp. Methods Misc	0852	9.470	0.0000	9.826	0.4213	0.2013	4			0
011.99	Loss on Drying, HT, High Temp. Methods Misc	2388	9.550	0.2200	9.826	0.4213	0.2013	4			0
011.99	Loss on Drying, HT, High Temp. Methods Misc	2174	9.885	0.1700	9.826	0.4213	0.2013	4			0
011.99	Loss on Drying, HT, High Temp. Methods Misc	2303	10.40	0.2140	9.826	0.4213	0.2013	4			0
012.00	Starch, Polarimetric (Ewers) (%)	2009	37.65	0.4022	40.31	1.179	0.3083	12	-2.25	3%	0
012.00	Starch, Polarimetric (Ewers) (%)	0723	38.51	0.1800	40.31	1.179	0.3083	12	-1.53	2%	0
012.00	Starch, Polarimetric (Ewers) (%)	2196	39.59	0.0000	40.31	1.179	0.3083	12	-0.61	1%	0
012.00	Starch, Polarimetric (Ewers) (%)	2192	39.86	0.0900	40.31	1.179	0.3083	12	-0.39	1%	0
012.00	Starch, Polarimetric (Ewers) (%)	0354	40.19	0.1000	40.31	1.179	0.3083	12	-0.10	0%	0
012.00	Starch, Polarimetric (Ewers) (%)	2188	40.47	0.0000	40.31	1.179	0.3083	12	0.14	0%	0
012.00	Starch, Polarimetric (Ewers) (%)	0689	40.50	0.6000	40.31	1.179	0.3083	12	0.16	0%	0
012.00	Starch, Polarimetric (Ewers) (%)	0848	40.59	0.3900	40.31	1.179	0.3083	12	0.23	0%	0
012.00	Starch, Polarimetric (Ewers) (%)	2319	41.10	0.4000	40.31	1.179	0.3083	12	0.67	1%	0
012.00	Starch, Polarimetric (Ewers) (%)	0939	41.12	0.1700	40.31	1.179	0.3083	12	0.68	1%	0
012.00	Starch, Polarimetric (Ewers) (%)	0875	41.43	1.020	40.31	1.179	0.3083	12	0.95	1%	0
012.00	Starch, Polarimetric (Ewers) (%)	2006	41.81	0.0700	40.31	1.179	0.3083	12	1.27	2%	0
012.01	Starch, Enzymatic-Colorimetric Method (Megaz	0676	33.41	0.3900	37.35	2.694	0.3659	7	-1.46	5%	0
012.01	Starch, Enzymatic-Colorimetric Method (Megaz	0596	35.55	0.5000	37.35	2.694	0.3659	7	-0.67	2%	0
012.01	Starch, Enzymatic-Colorimetric Method (Megaz	0870	37.71	0.1333	37.35	2.694	0.3659	7	0.13	0%	0
012.01	Starch, Enzymatic-Colorimetric Method (Megaz	0366	37.75	0.1000	37.35	2.694	0.3659	7	0.15	1%	0
012.01	Starch, Enzymatic-Colorimetric Method (Megaz	0956	37.75	1.300	37.35	2.694	0.3659	7	0.15	1%	0

Test Material Code # 202524			Method Proficiency Testing Report						Issue Date : 05/31/2025		
Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs			
012.01	Starch, Enzymatic-Colorimetric Method (Megaz	0148	38.19	0.3700	37.35	2.694	0.3659	7	0.31	1%	0
012.01	Starch, Enzymatic-Colorimetric Method (Megaz	0407	41.08	0.3353	37.35	2.694	0.3659	7	1.39	5%	0
012.03	Starch, Enzymatic-Colorimetric Method, Miscell	0297	36.55	0.9700				3			0
012.03	Starch, Enzymatic-Colorimetric Method, Miscell	0656	37.74	0.0000				3			0
012.03	Starch, Enzymatic-Colorimetric Method, Miscell	0407	41.42	0.2598				3			0
012.04	Starch, Enzymatic-Enzyme Membrane Technol	0510	36.40	0.2000	38.48	1.546	1.223	10	-1.34	3%	0
012.04	Starch, Enzymatic-Enzyme Membrane Technol	0278	37.45	2.100	38.48	1.546	1.223	10	-0.66	1%	0
012.04	Starch, Enzymatic-Enzyme Membrane Technol	0674	37.69	0.0000	38.48	1.546	1.223	10	-0.51	1%	0
012.04	Starch, Enzymatic-Enzyme Membrane Technol	0098	37.75	2.500	38.48	1.546	1.223	10	-0.47	1%	0
012.04	Starch, Enzymatic-Enzyme Membrane Technol	2129	38.36	0.1560	38.48	1.546	1.223	10	-0.08	0%	0
012.04	Starch, Enzymatic-Enzyme Membrane Technol	0226	38.45	0.7800	38.48	1.546	1.223	10	-0.02	0%	0
012.04	Starch, Enzymatic-Enzyme Membrane Technol	0948	38.56	0.3800	38.48	1.546	1.223	10	0.05	0%	0
012.04	Starch, Enzymatic-Enzyme Membrane Technol	0045	38.65	0.9000	38.48	1.546	1.223	10	0.11	0%	0
012.04	Starch, Enzymatic-Enzyme Membrane Technol	0693	40.67	2.690	38.48	1.546	1.223	10	1.41	3%	0
012.04	Starch, Enzymatic-Enzyme Membrane Technol	0208	43.65	1.300	38.48	1.546	1.223	10	3.35	7%	0
012.11	Starch, NIR (%)	0852	39.88	0.0200				2			0
012.11	Starch, NIR (%)	0297	42.10	0.3200				2			0
012.20	Starch, Dietary, Enzymatic-Colorimetric (%)	0353	36.66	0.5400				1			0
012.99	Starch, Miscellaneous (%)	0066	39.77	0.3900				1			0
013.00	Fat, Pretreat, Acid hydrolysis (%)	0618	1.535	0.0500	3.529	0.4146	0.1372	19	-4.81	28%	0
013.00	Fat, Pretreat, Acid hydrolysis (%)	0650	2.095	0.0700	3.529	0.4146	0.1372	19	-3.46	20%	0
013.00	Fat, Pretreat, Acid hydrolysis (%)	2115	3.160	0.0800	3.529	0.4146	0.1372	19	-0.89	5%	0
013.00	Fat, Pretreat, Acid hydrolysis (%)	0083	3.260	0.0600	3.529	0.4146	0.1372	19	-0.65	4%	0
013.00	Fat, Pretreat, Acid hydrolysis (%)	0297	3.270	0.4000	3.529	0.4146	0.1372	19	-0.62	4%	0
013.00	Fat, Pretreat, Acid hydrolysis (%)	2146	3.325	0.0300	3.529	0.4146	0.1372	19	-0.49	3%	0
013.00	Fat, Pretreat, Acid hydrolysis (%)	2144	3.365	0.0300	3.529	0.4146	0.1372	19	-0.39	2%	0
013.00	Fat, Pretreat, Acid hydrolysis (%)	0689	3.400	0.4000	3.529	0.4146	0.1372	19	-0.31	2%	0
013.00	Fat, Pretreat, Acid hydrolysis (%)	0948	3.445	0.0500	3.529	0.4146	0.1372	19	-0.20	1%	0
013.00	Fat, Pretreat, Acid hydrolysis (%)	0242	3.490	0.2200	3.529	0.4146	0.1372	19	-0.09	1%	0
013.00	Fat, Pretreat, Acid hydrolysis (%)	0675	3.555	0.0500	3.529	0.4146	0.1372	19	0.06	0%	0
013.00	Fat, Pretreat, Acid hydrolysis (%)	2319	3.600	0.0000	3.529	0.4146	0.1372	19	0.17	1%	0
013.00	Fat, Pretreat, Acid hydrolysis (%)	0541	3.645	0.4300	3.529	0.4146	0.1372	19	0.28	2%	0
013.00	Fat, Pretreat, Acid hydrolysis (%)	0884	3.650	0.1000	3.529	0.4146	0.1372	19	0.29	2%	0
013.00	Fat, Pretreat, Acid hydrolysis (%)	2150	3.845	0.0300	3.529	0.4146	0.1372	19	0.76	4%	0
013.00	Fat, Pretreat, Acid hydrolysis (%)	0229	3.945	0.1100	3.529	0.4146	0.1372	19	1.00	6%	0
013.00	Fat, Pretreat, Acid hydrolysis (%)	2302	4.060	0.1200	3.529	0.4146	0.1372	19	1.28	8%	0
013.00	Fat, Pretreat, Acid hydrolysis (%)	0202	4.065	0.0700	3.529	0.4146	0.1372	19	1.29	8%	0
013.00	Fat, Pretreat, Acid hydrolysis (%)	2076	4.251	0.5015	3.529	0.4146	0.1372	19	1.74	10%	0
013.02	Fat, Pretreat, Mojonniier, Bak Ext, Acid hydrolys	0870	3.689	0.0233	4.170	0.4195	0.1503	18	-1.15	6%	0
013.02	Fat, Pretreat, Mojonniier, Bak Ext, Acid hydrolys	2492	3.750	0.0200	4.170	0.4195	0.1503	18	-1.00	5%	0
013.02	Fat, Pretreat, Mojonniier, Bak Ext, Acid hydrolys	0921	3.804	0.1000	4.170	0.4195	0.1503	18	-0.87	4%	0
013.02	Fat, Pretreat, Mojonniier, Bak Ext, Acid hydrolys	0098	3.830	0.5200	4.170	0.4195	0.1503	18	-0.81	4%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs			
013.02	Fat, Pretreat, Mojonnier, Bak Ext, Acid hydrolys	0208	3.840	0.5400	4.170	0.4195	0.1503	18	-0.79	4%	0
013.02	Fat, Pretreat, Mojonnier, Bak Ext, Acid hydrolys	0148	3.850	0.1000	4.170	0.4195	0.1503	18	-0.76	4%	0
013.02	Fat, Pretreat, Mojonnier, Bak Ext, Acid hydrolys	0853	3.850	0.1000	4.170	0.4195	0.1503	18	-0.76	4%	0
013.02	Fat, Pretreat, Mojonnier, Bak Ext, Acid hydrolys	0038	3.910	0.3800	4.170	0.4195	0.1503	18	-0.62	3%	0
013.02	Fat, Pretreat, Mojonnier, Bak Ext, Acid hydrolys	0563	3.976	0.1042	4.170	0.4195	0.1503	18	-0.46	2%	0
013.02	Fat, Pretreat, Mojonnier, Bak Ext, Acid hydrolys	0676	4.335	0.1300	4.170	0.4195	0.1503	18	0.39	2%	0
013.02	Fat, Pretreat, Mojonnier, Bak Ext, Acid hydrolys	0693	4.365	0.2700	4.170	0.4195	0.1503	18	0.46	2%	0
013.02	Fat, Pretreat, Mojonnier, Bak Ext, Acid hydrolys	0643	4.375	0.0030	4.170	0.4195	0.1503	18	0.49	2%	0
013.02	Fat, Pretreat, Mojonnier, Bak Ext, Acid hydrolys	2259	4.392	0.1190	4.170	0.4195	0.1503	18	0.53	3%	0
013.02	Fat, Pretreat, Mojonnier, Bak Ext, Acid hydrolys	0045	4.470	0.0800	4.170	0.4195	0.1503	18	0.71	4%	0
013.02	Fat, Pretreat, Mojonnier, Bak Ext, Acid hydrolys	0227	4.470	0.2800	4.170	0.4195	0.1503	18	0.71	4%	0
013.02	Fat, Pretreat, Mojonnier, Bak Ext, Acid hydrolys	0407	4.658	0.0090	4.170	0.4195	0.1503	18	1.16	6%	0
013.02	Fat, Pretreat, Mojonnier, Bak Ext, Acid hydrolys	0682	4.710	0.0000	4.170	0.4195	0.1503	18	1.29	6%	0
013.02	Fat, Pretreat, Mojonnier, Bak Ext, Acid hydrolys	0553	4.790	0.1000	4.170	0.4195	0.1503	18	1.48	7%	0
013.08	Fat, Pretreat, Roese-Gottlieb Modified, Alkaline	0618	15.40	1.240				1			0
013.10	Fat, Pretreat, Soxtec-Acid Hydrolysis (%)	0036	2.615	0.1226	3.067	0.4680	0.1495	7	-0.97	7%	0
013.10	Fat, Pretreat, Soxtec-Acid Hydrolysis (%)	0939	2.705	0.0500	3.067	0.4680	0.1495	7	-0.77	6%	0
013.10	Fat, Pretreat, Soxtec-Acid Hydrolysis (%)	2268	2.745	0.1900	3.067	0.4680	0.1495	7	-0.69	5%	0
013.10	Fat, Pretreat, Soxtec-Acid Hydrolysis (%)	0353	2.980	0.6200	3.067	0.4680	0.1495	7	-0.19	1%	0
013.10	Fat, Pretreat, Soxtec-Acid Hydrolysis (%)	2196	3.350	0.0000	3.067	0.4680	0.1495	7	0.60	5%	0
013.10	Fat, Pretreat, Soxtec-Acid Hydrolysis (%)	0610	3.375	0.0500	3.067	0.4680	0.1495	7	0.66	5%	0
013.10	Fat, Pretreat, Soxtec-Acid Hydrolysis (%)	2349	3.700	0.1600	3.067	0.4680	0.1495	7	1.35	10%	0
013.13	Fat, Pretreat, Ankom- Acid Hydrolysis (%)	2129	3.037	0.0210	3.502	0.3284	0.1281	10	-1.42	7%	0
013.13	Fat, Pretreat, Ankom- Acid Hydrolysis (%)	2115	3.110	0.0200	3.502	0.3284	0.1281	10	-1.19	6%	0
013.13	Fat, Pretreat, Ankom- Acid Hydrolysis (%)	0354	3.375	0.0100	3.502	0.3284	0.1281	10	-0.39	2%	0
013.13	Fat, Pretreat, Ankom- Acid Hydrolysis (%)	0968	3.460	0.0000	3.502	0.3284	0.1281	10	-0.13	1%	0
013.13	Fat, Pretreat, Ankom- Acid Hydrolysis (%)	0407	3.480	0.1564	3.502	0.3284	0.1281	10	-0.07	0%	0
013.13	Fat, Pretreat, Ankom- Acid Hydrolysis (%)	0876	3.550	0.3000	3.502	0.3284	0.1281	10	0.15	1%	0
013.13	Fat, Pretreat, Ankom- Acid Hydrolysis (%)	0581	3.580	0.0200	3.502	0.3284	0.1281	10	0.24	1%	0
013.13	Fat, Pretreat, Ankom- Acid Hydrolysis (%)	2433	3.591	0.2051	3.502	0.3284	0.1281	10	0.27	1%	0
013.13	Fat, Pretreat, Ankom- Acid Hydrolysis (%)	0843	3.900	0.1600	3.502	0.3284	0.1281	10	1.21	6%	0
013.13	Fat, Pretreat, Ankom- Acid Hydrolysis (%)	2057	3.939	0.2604	3.502	0.3284	0.1281	10	1.33	6%	0
013.99	Fat, Pretreat, Miscellaneous (%)	2155	2.720	0.1800				1			0
014.01	Fiber, Total Dietary, Enz-Grav (%)	0148	17.79	0.0320				2			0
014.01	Fiber, Total Dietary, Enz-Grav (%)	2319	18.35	0.1000				2			0
015.41	Aluminum, ICP, Dry ash (ppm)	0049	94.58	2.090	151.7	34.63	3.602	5			0
015.41	Aluminum, ICP, Dry ash (ppm)	0407	147.7	0.3661	151.7	34.63	3.602	5			0
015.41	Aluminum, ICP, Dry ash (ppm)	0171	159.0	2.000	151.7	34.63	3.602	5			0
015.41	Aluminum, ICP, Dry ash (ppm)	0227	176.5	5.000	151.7	34.63	3.602	5			0
015.41	Aluminum, ICP, Dry ash (ppm)	0520	180.9	8.555	151.7	34.63	3.602	5			0
015.42	Aluminum, ICP, Open vessel (ppm)	0692	69.50	5.000				2			0
015.42	Aluminum, ICP, Open vessel (ppm)	2129	99.54	2.530				2			0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs			
015.43	Aluminum, ICP, Microwave (ppm)	0510	142.5	5.000	172.7	28.28	4.989	7	-1.07	9%	0
015.43	Aluminum, ICP, Microwave (ppm)	0297	154.0	2.000	172.7	28.28	4.989	7	-0.66	5%	0
015.43	Aluminum, ICP, Microwave (ppm)	0353	161.0	6.100	172.7	28.28	4.989	7	-0.41	3%	0
015.43	Aluminum, ICP, Microwave (ppm)	0407	166.0	5.580	172.7	28.28	4.989	7	-0.23	2%	0
015.43	Aluminum, ICP, Microwave (ppm)	0964	175.0	10.00	172.7	28.28	4.989	7	0.08	1%	0
015.43	Aluminum, ICP, Microwave (ppm)	2481	195.7	0.1400	172.7	28.28	4.989	7	0.81	7%	0
015.43	Aluminum, ICP, Microwave (ppm)	0226	214.6	6.100	172.7	28.28	4.989	7	1.48	12%	0
015.53	Aluminum, ICP-MS, Microwave (ppm)	0939	172.0	6.000				3			0
015.53	Aluminum, ICP-MS, Microwave (ppm)	0553	182.0	10.00				3			0
015.53	Aluminum, ICP-MS, Microwave (ppm)	0407	190.3	8.812				3			0
015.99	Aluminum, Miscellaneous (ppm)	0123	86.15	3.500				1			0
017.41	Boron, ICP, Dry ash (ppm)	0407	7.168	0.6735	8.174	0.6356	0.4587	5			0
017.41	Boron, ICP, Dry ash (ppm)	0229	8.205	0.6700	8.174	0.6356	0.4587	5			0
017.41	Boron, ICP, Dry ash (ppm)	0049	8.250	0.3200	8.174	0.6356	0.4587	5			0
017.41	Boron, ICP, Dry ash (ppm)	0358	8.310	0.5000	8.174	0.6356	0.4587	5			0
017.41	Boron, ICP, Dry ash (ppm)	0226	8.935	0.1300	8.174	0.6356	0.4587	5			0
017.42	Boron, ICP, Open vessel (ppm)	2129	7.100	0.2500	7.714	0.6214	0.2350	4			0
017.42	Boron, ICP, Open vessel (ppm)	0693	7.475	0.2900	7.714	0.6214	0.2350	4			0
017.42	Boron, ICP, Open vessel (ppm)	0045	7.715	0.1700	7.714	0.6214	0.2350	4			0
017.42	Boron, ICP, Open vessel (ppm)	0294	8.565	0.2300	7.714	0.6214	0.2350	4			0
017.43	Boron, ICP, Microwave (ppm)	0083	6.830	0.1000	7.808	0.6201	0.0650	5			0
017.43	Boron, ICP, Microwave (ppm)	0226	7.600	0.0400	7.808	0.6201	0.0650	5			0
017.43	Boron, ICP, Microwave (ppm)	0510	8.000	0.0000	7.808	0.6201	0.0650	5			0
017.43	Boron, ICP, Microwave (ppm)	0353	8.245	0.0500	7.808	0.6201	0.0650	5			0
017.43	Boron, ICP, Microwave (ppm)	0918	8.365	0.0700	7.808	0.6201	0.0650	5			0
017.43	Boron, ICP, Microwave (ppm)	0407	8.407	0.8264	7.808	0.6201	0.0650	5			1
017.43	Boron, ICP, Microwave (ppm)	0297	0.0000	0.0000	7.808	0.6201	0.0650	5			4
017.53	Boron, ICP-MS, Microwave (ppm)	0407	9.194	0.9556				2			0
017.53	Boron, ICP-MS, Microwave (ppm)	0553	9.555	0.5700				2			0
017.99	Boron, Miscellaneous (ppm)	0123	7.990	0.5800				1			0
019.00	Calcium, Ox-Mn04 Vol. (%)	2144	0.7900	0.0000	0.8550	0.0479	0.0212	5			0
019.00	Calcium, Ox-Mn04 Vol. (%)	2190	0.8340	0.0328	0.8550	0.0479	0.0212	5			0
019.00	Calcium, Ox-Mn04 Vol. (%)	2006	0.8510	0.0320	0.8550	0.0479	0.0212	5			0
019.00	Calcium, Ox-Mn04 Vol. (%)	2302	0.8850	0.0100	0.8550	0.0479	0.0212	5			0
019.00	Calcium, Ox-Mn04 Vol. (%)	2146	0.9150	0.0100	0.8550	0.0479	0.0212	5			0
019.02	Calcium, Hach Method (%)	0536	0.9850	0.0100				1			0
019.08	Calcium, EDTA (%)	2193	0.7970	0.0300	0.8342	0.0331	0.0310	10	-1.12	2%	0
019.08	Calcium, EDTA (%)	2196	0.8000	0.0000	0.8342	0.0331	0.0310	10	-1.03	2%	0
019.08	Calcium, EDTA (%)	2506	0.8000	0.0000	0.8342	0.0331	0.0310	10	-1.03	2%	0
019.08	Calcium, EDTA (%)	0590	0.8250	0.0500	0.8342	0.0331	0.0310	10	-0.28	1%	0
019.08	Calcium, EDTA (%)	2009	0.8357	0.0070	0.8342	0.0331	0.0310	10	0.05	0%	0
019.08	Calcium, EDTA (%)	0689	0.8400	0.0400	0.8342	0.0331	0.0310	10	0.18	0%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs			
019.08	Calcium, EDTA (%)	2434	0.8400	0.0000	0.8342	0.0331	0.0310	10	0.18	0%	0
019.08	Calcium, EDTA (%)	2188	0.8600	0.0400	0.8342	0.0331	0.0310	10	0.78	2%	0
019.08	Calcium, EDTA (%)	2200	0.8600	0.0200	0.8342	0.0331	0.0310	10	0.78	2%	0
019.08	Calcium, EDTA (%)	2199	0.9750	0.0300	0.8342	0.0331	0.0310	10	4.25	8%	0
019.09	Calcium, Ion-selective electrode (%)	2006	0.8475	0.1010				1			0
019.31	Calcium, AAS, Dry ash (%)	2325	0.7000	0.0000	0.8017	0.0479	0.0179	13	-2.12	6%	0
019.31	Calcium, AAS, Dry ash (%)	0656	0.7500	0.0000	0.8017	0.0479	0.0179	13	-1.08	3%	0
019.31	Calcium, AAS, Dry ash (%)	0536	0.7600	0.0200	0.8017	0.0479	0.0179	13	-0.87	3%	0
019.31	Calcium, AAS, Dry ash (%)	0948	0.7700	0.0000	0.8017	0.0479	0.0179	13	-0.66	2%	0
019.31	Calcium, AAS, Dry ash (%)	0563	0.7761	0.0249	0.8017	0.0479	0.0179	13	-0.54	2%	0
019.31	Calcium, AAS, Dry ash (%)	0596	0.8000	0.0000	0.8017	0.0479	0.0179	13	-0.04	0%	0
019.31	Calcium, AAS, Dry ash (%)	0001	0.8007	0.0095	0.8017	0.0479	0.0179	13	-0.02	0%	0
019.31	Calcium, AAS, Dry ash (%)	2246	0.8242	0.0038	0.8017	0.0479	0.0179	13	0.47	1%	0
019.31	Calcium, AAS, Dry ash (%)	2146	0.8250	0.0100	0.8017	0.0479	0.0179	13	0.49	1%	0
019.31	Calcium, AAS, Dry ash (%)	0939	0.8300	0.0200	0.8017	0.0479	0.0179	13	0.59	2%	0
019.31	Calcium, AAS, Dry ash (%)	2188	0.8400	0.0000	0.8017	0.0479	0.0179	13	0.80	2%	0
019.31	Calcium, AAS, Dry ash (%)	0651	0.8429	0.0402	0.8017	0.0479	0.0179	13	0.86	3%	0
019.31	Calcium, AAS, Dry ash (%)	0884	0.9100	0.0000	0.8017	0.0479	0.0179	13	2.26	7%	0
019.31	Calcium, AAS, Dry ash (%)	0108	0.8250	0.2300	0.8017	0.0479	0.0179	13	0.49	1%	1
019.32	Calcium, AAS, Open vessel (%)	0169	0.8000	0.0200				1			0
019.33	Calcium, AAS, Microwave (%)	2115	0.7750	0.0100				1			0
019.41	Calcium, ICP, Dry ash (%)	0066	0.7305	0.0130	0.8150	0.0205	0.0227	20	-4.12	5%	0
019.41	Calcium, ICP, Dry ash (%)	0004	0.7650	0.0300	0.8150	0.0205	0.0227	20	-2.44	3%	0
019.41	Calcium, ICP, Dry ash (%)	0148	0.7930	0.0080	0.8150	0.0205	0.0227	20	-1.07	1%	0
019.41	Calcium, ICP, Dry ash (%)	0520	0.7959	0.0297	0.8150	0.0205	0.0227	20	-0.93	1%	0
019.41	Calcium, ICP, Dry ash (%)	0171	0.8000	0.0200	0.8150	0.0205	0.0227	20	-0.73	1%	0
019.41	Calcium, ICP, Dry ash (%)	0226	0.8000	0.0200	0.8150	0.0205	0.0227	20	-0.73	1%	0
019.41	Calcium, ICP, Dry ash (%)	0848	0.8050	0.0300	0.8150	0.0205	0.0227	20	-0.49	1%	0
019.41	Calcium, ICP, Dry ash (%)	2259	0.8140	0.0040	0.8150	0.0205	0.0227	20	-0.05	0%	0
019.41	Calcium, ICP, Dry ash (%)	0144	0.8150	0.0100	0.8150	0.0205	0.0227	20	0.00	0%	0
019.41	Calcium, ICP, Dry ash (%)	0208	0.8180	0.0660	0.8150	0.0205	0.0227	20	0.15	0%	0
019.41	Calcium, ICP, Dry ash (%)	0407	0.8192	0.0337	0.8150	0.0205	0.0227	20	0.20	0%	0
019.41	Calcium, ICP, Dry ash (%)	0358	0.8200	0.0000	0.8150	0.0205	0.0227	20	0.24	0%	0
019.41	Calcium, ICP, Dry ash (%)	0674	0.8200	0.0000	0.8150	0.0205	0.0227	20	0.24	0%	0
019.41	Calcium, ICP, Dry ash (%)	0049	0.8200	0.0600	0.8150	0.0205	0.0227	20	0.24	0%	0
019.41	Calcium, ICP, Dry ash (%)	0019	0.8275	0.0050	0.8150	0.0205	0.0227	20	0.61	1%	0
019.41	Calcium, ICP, Dry ash (%)	0598	0.8276	0.0016	0.8150	0.0205	0.0227	20	0.61	1%	0
019.41	Calcium, ICP, Dry ash (%)	0229	0.8300	0.0000	0.8150	0.0205	0.0227	20	0.73	1%	0
019.41	Calcium, ICP, Dry ash (%)	0098	0.8350	0.0100	0.8150	0.0205	0.0227	20	0.97	1%	0
019.41	Calcium, ICP, Dry ash (%)	0723	0.8500	0.0200	0.8150	0.0205	0.0227	20	1.70	2%	0
019.41	Calcium, ICP, Dry ash (%)	0413	0.8850	0.0500	0.8150	0.0205	0.0227	20	3.41	4%	0
019.42	Calcium, ICP, Open vessel (%)	0504	0.7110	0.0160	0.8193	0.0815	0.0155	19	-1.33	7%	0

Test Material Code # 202524	Method Proficiency Testing Report	Issue Date : 05/31/2025
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Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs			
019.42	Calcium, ICP, Open vessel (%)	2129	0.7170	0.0080	0.8193	0.0815	0.0155	19	-1.26	6%	0
019.42	Calcium, ICP, Open vessel (%)	0294	0.7600	0.0200	0.8193	0.0815	0.0155	19	-0.73	4%	0
019.42	Calcium, ICP, Open vessel (%)	0045	0.7625	0.0150	0.8193	0.0815	0.0155	19	-0.70	3%	0
019.42	Calcium, ICP, Open vessel (%)	0357	0.7741	0.0001	0.8193	0.0815	0.0155	19	-0.56	3%	0
019.42	Calcium, ICP, Open vessel (%)	2319	0.7765	0.0050	0.8193	0.0815	0.0155	19	-0.53	3%	0
019.42	Calcium, ICP, Open vessel (%)	2433	0.7794	0.0132	0.8193	0.0815	0.0155	19	-0.49	2%	0
019.42	Calcium, ICP, Open vessel (%)	0009	0.7942	0.0522	0.8193	0.0815	0.0155	19	-0.31	2%	0
019.42	Calcium, ICP, Open vessel (%)	0693	0.7950	0.0100	0.8193	0.0815	0.0155	19	-0.30	1%	0
019.42	Calcium, ICP, Open vessel (%)	0366	0.8050	0.0100	0.8193	0.0815	0.0155	19	-0.18	1%	0
019.42	Calcium, ICP, Open vessel (%)	0870	0.8107	0.0081	0.8193	0.0815	0.0155	19	-0.11	1%	0
019.42	Calcium, ICP, Open vessel (%)	0278	0.8150	0.0700	0.8193	0.0815	0.0155	19	-0.05	0%	0
019.42	Calcium, ICP, Open vessel (%)	0263	0.8260	0.0060	0.8193	0.0815	0.0155	19	0.08	0%	0
019.42	Calcium, ICP, Open vessel (%)	0202	0.8435	0.0350	0.8193	0.0815	0.0155	19	0.30	1%	0
019.42	Calcium, ICP, Open vessel (%)	0186	0.8505	0.0065	0.8193	0.0815	0.0155	19	0.38	2%	0
019.42	Calcium, ICP, Open vessel (%)	0190	0.9250	0.0300	0.8193	0.0815	0.0155	19	1.30	6%	0
019.42	Calcium, ICP, Open vessel (%)	0042	0.9390	0.0180	0.8193	0.0815	0.0155	19	1.47	7%	0
019.42	Calcium, ICP, Open vessel (%)	0726	0.9500	0.0200	0.8193	0.0815	0.0155	19	1.60	8%	0
019.42	Calcium, ICP, Open vessel (%)	0692	0.9750	0.0100	0.8193	0.0815	0.0155	19	1.91	9%	0
019.42	Calcium, ICP, Open vessel (%)	0026	0.8655	0.1130	0.8193	0.0815	0.0155	19	0.57	3%	1
019.43	Calcium, ICP, Microwave (%)	0089	0.6000	0.0000	0.8091	0.0508	0.0151	32	-4.12	13%	0
019.43	Calcium, ICP, Microwave (%)	0875	0.7185	0.0290	0.8091	0.0508	0.0151	32	-1.78	6%	0
019.43	Calcium, ICP, Microwave (%)	0511	0.7400	0.0200	0.8091	0.0508	0.0151	32	-1.36	4%	0
019.43	Calcium, ICP, Microwave (%)	0038	0.7445	0.0150	0.8091	0.0508	0.0151	32	-1.27	4%	0
019.43	Calcium, ICP, Microwave (%)	0036	0.7537	0.0066	0.8091	0.0508	0.0151	32	-1.09	3%	0
019.43	Calcium, ICP, Microwave (%)	2476	0.7550	0.0440	0.8091	0.0508	0.0151	32	-1.07	3%	0
019.43	Calcium, ICP, Microwave (%)	2115	0.7700	0.0200	0.8091	0.0508	0.0151	32	-0.77	2%	0
019.43	Calcium, ICP, Microwave (%)	0083	0.7725	0.0110	0.8091	0.0508	0.0151	32	-0.72	2%	0
019.43	Calcium, ICP, Microwave (%)	0610	0.7750	0.0300	0.8091	0.0508	0.0151	32	-0.67	2%	0
019.43	Calcium, ICP, Microwave (%)	0354	0.7880	0.0140	0.8091	0.0508	0.0151	32	-0.42	1%	0
019.43	Calcium, ICP, Microwave (%)	0001	0.7900	0.0200	0.8091	0.0508	0.0151	32	-0.38	1%	0
019.43	Calcium, ICP, Microwave (%)	0297	0.7950	0.0100	0.8091	0.0508	0.0151	32	-0.28	1%	0
019.43	Calcium, ICP, Microwave (%)	0668	0.7960	0.0160	0.8091	0.0508	0.0151	32	-0.26	1%	0
019.43	Calcium, ICP, Microwave (%)	0033	0.8000	0.0840	0.8091	0.0508	0.0151	32	-0.18	1%	0
019.43	Calcium, ICP, Microwave (%)	0964	0.8045	0.0203	0.8091	0.0508	0.0151	32	-0.09	0%	0
019.43	Calcium, ICP, Microwave (%)	0011	0.8050	0.0100	0.8091	0.0508	0.0151	32	-0.08	0%	0
019.43	Calcium, ICP, Microwave (%)	0968	0.8115	0.0030	0.8091	0.0508	0.0151	32	0.05	0%	0
019.43	Calcium, ICP, Microwave (%)	0226	0.8150	0.0100	0.8091	0.0508	0.0151	32	0.12	0%	0
019.43	Calcium, ICP, Microwave (%)	0510	0.8250	0.0100	0.8091	0.0508	0.0151	32	0.31	1%	0
019.43	Calcium, ICP, Microwave (%)	0010	0.8300	0.0000	0.8091	0.0508	0.0151	32	0.41	1%	0
019.43	Calcium, ICP, Microwave (%)	0505	0.8330	0.0060	0.8091	0.0508	0.0151	32	0.47	1%	0
019.43	Calcium, ICP, Microwave (%)	0918	0.8335	0.0030	0.8091	0.0508	0.0151	32	0.48	2%	0
019.43	Calcium, ICP, Microwave (%)	0353	0.8350	0.0100	0.8091	0.0508	0.0151	32	0.51	2%	0

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			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs			
019.43	Calcium, ICP, Microwave (%)	2481	0.8350	0.0100	0.8091	0.0508	0.0151	32	0.51	2%	0
019.43	Calcium, ICP, Microwave (%)	0098	0.8450	0.0100	0.8091	0.0508	0.0151	32	0.71	2%	0
019.43	Calcium, ICP, Microwave (%)	0035	0.8500	0.0000	0.8091	0.0508	0.0151	32	0.80	3%	0
019.43	Calcium, ICP, Microwave (%)	0682	0.8500	0.0000	0.8091	0.0508	0.0151	32	0.80	3%	0
019.43	Calcium, ICP, Microwave (%)	0675	0.8550	0.0100	0.8091	0.0508	0.0151	32	0.90	3%	0
019.43	Calcium, ICP, Microwave (%)	0870	0.8630	0.0337	0.8091	0.0508	0.0151	32	1.06	3%	0
019.43	Calcium, ICP, Microwave (%)	0407	0.8863	0.0142	0.8091	0.0508	0.0151	32	1.52	5%	0
019.43	Calcium, ICP, Microwave (%)	2322	0.9150	0.0100	0.8091	0.0508	0.0151	32	2.08	7%	0
019.43	Calcium, ICP, Microwave (%)	0848	0.9200	0.0200	0.8091	0.0508	0.0151	32	2.18	7%	0
019.43	Calcium, ICP, Microwave (%)	0018	0.6215	0.1210	0.8091	0.0508	0.0151	32	-3.69	12%	1
019.44	Calcium, ICP, Dry ash (%)	0227	0.8205	0.0050				1			0
019.51	Calcium, ICP-MS, Dry ash (%)	2146	0.8150	0.0300				1			0
019.52	Calcium, ICP-MS, Open vessel (%)	0186	0.7629	0.0129				3			0
019.52	Calcium, ICP-MS, Open vessel (%)	0154	0.7933	0.1123				3			0
019.52	Calcium, ICP-MS, Open vessel (%)	0047	0.8100	0.0000				3			0
019.53	Calcium, ICP-MS, Microwave (%)	0553	0.7440	0.0220				3			0
019.53	Calcium, ICP-MS, Microwave (%)	0939	0.8300	0.0200				3			0
019.53	Calcium, ICP-MS, Microwave (%)	0407	0.8531	0.0062				3			0
019.99	Calcium, Miscellaneous (%)	0852	0.1500	0.0200	0.7774	0.0888	0.0133	6	-7.06	40%	0
019.99	Calcium, Miscellaneous (%)	0242	0.7550	0.0100	0.7774	0.0888	0.0133	6	-0.25	1%	0
019.99	Calcium, Miscellaneous (%)	0123	0.7700	0.0000	0.7774	0.0888	0.0133	6	-0.08	0%	0
019.99	Calcium, Miscellaneous (%)	0590	0.8050	0.0100	0.7774	0.0888	0.0133	6	0.31	2%	0
019.99	Calcium, Miscellaneous (%)	0100	0.8100	0.0000	0.7774	0.0888	0.0133	6	0.37	2%	0
019.99	Calcium, Miscellaneous (%)	2302	0.8800	0.0000	0.7774	0.0888	0.0133	6	1.16	7%	0
019.99	Calcium, Miscellaneous (%)	0676	6.450	0.1000	0.7774	0.0888	0.0133	6	63.88	365%	1
021.31	Cobalt, AAS, Dry ash (ppm)	0563	0.6505	0.0130				1			0
021.41	Cobalt, ICP, Dry ash (ppm)	0148	0.7940	0.0300				3			0
021.41	Cobalt, ICP, Dry ash (ppm)	0227	0.8000	0.0000				3			0
021.41	Cobalt, ICP, Dry ash (ppm)	0066	1.052	0.0330				3			0
021.41	Cobalt, ICP, Dry ash (ppm)	0407	1.054	0.2028				3			1
021.42	Cobalt, ICP, Open vessel (ppm)	0366	0.8000	0.0000				2			0
021.42	Cobalt, ICP, Open vessel (ppm)	0045	0.8450	0.0900				2			0
021.43	Cobalt, ICP, Microwave (ppm)	0968	0.7255	0.0570	0.9792	0.2883	0.0821	9	-0.88	13%	0
021.43	Cobalt, ICP, Microwave (ppm)	0038	0.7695	0.0570	0.9792	0.2883	0.0821	9	-0.73	11%	0
021.43	Cobalt, ICP, Microwave (ppm)	0875	0.8350	0.0700	0.9792	0.2883	0.0821	9	-0.50	7%	0
021.43	Cobalt, ICP, Microwave (ppm)	0510	0.8600	0.0200	0.9792	0.2883	0.0821	9	-0.41	6%	0
021.43	Cobalt, ICP, Microwave (ppm)	0407	0.8874	0.1755	0.9792	0.2883	0.0821	9	-0.32	5%	0
021.43	Cobalt, ICP, Microwave (ppm)	0278	0.9435	0.0350	0.9792	0.2883	0.0821	9	-0.12	2%	0
021.43	Cobalt, ICP, Microwave (ppm)	0226	0.9800	0.0000	0.9792	0.2883	0.0821	9	0.00	0%	0
021.43	Cobalt, ICP, Microwave (ppm)	0682	1.400	0.0000	0.9792	0.2883	0.0821	9	1.46	21%	0
021.43	Cobalt, ICP, Microwave (ppm)	0169	1.880	0.1600	0.9792	0.2883	0.0821	9	3.12	46%	0
021.43	Cobalt, ICP, Microwave (ppm)	2476	6.036	1.303	0.9792	0.2883	0.0821	9	17.54	258%	1

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021.43	Cobalt, ICP, Microwave (ppm)	0297	0.0000	0.0000	0.9792	0.2883	0.0821	9			4
021.52	Cobalt, ICP-MS, Open vessel (ppm)	0186	0.5695	0.0117				2			0
021.52	Cobalt, ICP-MS, Open vessel (ppm)	0047	0.6000	0.0600				2			0
021.53	Cobalt, ICP-MS, Microwave (ppm)	0033	0.8500	0.0020	0.8916	0.0352	0.0545	4			0
021.53	Cobalt, ICP-MS, Microwave (ppm)	0553	0.8835	0.0790	0.8916	0.0352	0.0545	4			0
021.53	Cobalt, ICP-MS, Microwave (ppm)	0407	0.8981	0.0269	0.8916	0.0352	0.0545	4			0
021.53	Cobalt, ICP-MS, Microwave (ppm)	0610	0.9350	0.1100	0.8916	0.0352	0.0545	4			0
021.99	Cobalt, Miscellaneous (ppm)	0123	0.3650	0.0700				1			0
022.31	Copper, AAS, Dry ash (ppm)	0536	9.000	0.0000	20.18	2.176	0.8058	9	-5.14	28%	0
022.31	Copper, AAS, Dry ash (ppm)	0001	18.18	0.1500	20.18	2.176	0.8058	9	-0.92	5%	0
022.31	Copper, AAS, Dry ash (ppm)	0689	19.20	0.8000	20.18	2.176	0.8058	9	-0.45	2%	0
022.31	Copper, AAS, Dry ash (ppm)	0563	19.87	0.8049	20.18	2.176	0.8058	9	-0.14	1%	0
022.31	Copper, AAS, Dry ash (ppm)	0939	20.55	2.500	20.18	2.176	0.8058	9	0.17	1%	0
022.31	Copper, AAS, Dry ash (ppm)	0651	20.87	0.8396	20.18	2.176	0.8058	9	0.32	2%	0
022.31	Copper, AAS, Dry ash (ppm)	0948	21.09	0.3500	20.18	2.176	0.8058	9	0.42	2%	0
022.31	Copper, AAS, Dry ash (ppm)	2196	21.50	0.0000	20.18	2.176	0.8058	9	0.61	3%	0
022.31	Copper, AAS, Dry ash (ppm)	2188	31.90	1.076	20.18	2.176	0.8058	9	5.39	29%	0
022.32	Copper, AAS, Open vessel (ppm)	0038	24.70	15.00				1			0
022.41	Copper, ICP, Dry ash (ppm)	0848	16.57	1.210	19.93	2.312	0.8269	15	-1.45	8%	0
022.41	Copper, ICP, Dry ash (ppm)	0171	17.60	0.8000	19.93	2.312	0.8269	15	-1.01	6%	0
022.41	Copper, ICP, Dry ash (ppm)	0049	17.83	1.840	19.93	2.312	0.8269	15	-0.91	5%	0
022.41	Copper, ICP, Dry ash (ppm)	0598	18.30	0.3811	19.93	2.312	0.8269	15	-0.70	4%	0
022.41	Copper, ICP, Dry ash (ppm)	0407	18.53	0.2930	19.93	2.312	0.8269	15	-0.60	3%	0
022.41	Copper, ICP, Dry ash (ppm)	0004	18.64	0.6200	19.93	2.312	0.8269	15	-0.56	3%	0
022.41	Copper, ICP, Dry ash (ppm)	0723	18.81	0.0500	19.93	2.312	0.8269	15	-0.49	3%	0
022.41	Copper, ICP, Dry ash (ppm)	0358	20.03	0.0300	19.93	2.312	0.8269	15	0.04	0%	0
022.41	Copper, ICP, Dry ash (ppm)	0208	20.19	0.0200	19.93	2.312	0.8269	15	0.11	1%	0
022.41	Copper, ICP, Dry ash (ppm)	0019	21.14	0.8500	19.93	2.312	0.8269	15	0.52	3%	0
022.41	Copper, ICP, Dry ash (ppm)	0098	21.54	0.7900	19.93	2.312	0.8269	15	0.70	4%	0
022.41	Copper, ICP, Dry ash (ppm)	0148	22.17	1.916	19.93	2.312	0.8269	15	0.97	6%	0
022.41	Copper, ICP, Dry ash (ppm)	0520	22.18	1.999	19.93	2.312	0.8269	15	0.98	6%	0
022.41	Copper, ICP, Dry ash (ppm)	0674	22.58	0.0000	19.93	2.312	0.8269	15	1.15	7%	0
022.41	Copper, ICP, Dry ash (ppm)	0226	22.80	0.7800	19.93	2.312	0.8269	15	1.24	7%	0
022.41	Copper, ICP, Dry ash (ppm)	0229	18.50	5.510	19.93	2.312	0.8269	15	-0.62	4%	1
022.42	Copper, ICP, Open vessel (ppm)	0366	18.00	0.0000	21.07	1.394	1.212	19	-2.20	7%	0
022.42	Copper, ICP, Open vessel (ppm)	0294	19.73	0.3200	21.07	1.394	1.212	19	-0.96	3%	0
022.42	Copper, ICP, Open vessel (ppm)	0045	19.75	0.7000	21.07	1.394	1.212	19	-0.95	3%	0
022.42	Copper, ICP, Open vessel (ppm)	0278	19.95	1.700	21.07	1.394	1.212	19	-0.81	3%	0
022.42	Copper, ICP, Open vessel (ppm)	2129	19.99	1.430	21.07	1.394	1.212	19	-0.78	3%	0
022.42	Copper, ICP, Open vessel (ppm)	0870	20.02	1.020	21.07	1.394	1.212	19	-0.76	2%	0
022.42	Copper, ICP, Open vessel (ppm)	0263	20.07	0.4060	21.07	1.394	1.212	19	-0.72	2%	0
022.42	Copper, ICP, Open vessel (ppm)	2319	20.30	0.4000	21.07	1.394	1.212	19	-0.55	2%	0

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022.42	Copper, ICP, Open vessel (ppm)	2433	20.85	0.9599	21.07	1.394	1.212	19	-0.16	1%	0
022.42	Copper, ICP, Open vessel (ppm)	0190	21.33	0.2200	21.07	1.394	1.212	19	0.18	1%	0
022.42	Copper, ICP, Open vessel (ppm)	0186	21.36	1.550	21.07	1.394	1.212	19	0.20	1%	0
022.42	Copper, ICP, Open vessel (ppm)	0202	21.55	4.300	21.07	1.394	1.212	19	0.34	1%	0
022.42	Copper, ICP, Open vessel (ppm)	0693	21.70	2.720	21.07	1.394	1.212	19	0.45	1%	0
022.42	Copper, ICP, Open vessel (ppm)	0009	21.80	1.000	21.07	1.394	1.212	19	0.52	2%	0
022.42	Copper, ICP, Open vessel (ppm)	0692	22.13	0.2500	21.07	1.394	1.212	19	0.76	2%	0
022.42	Copper, ICP, Open vessel (ppm)	0357	22.16	1.066	21.07	1.394	1.212	19	0.78	3%	0
022.42	Copper, ICP, Open vessel (ppm)	0726	22.40	0.2700	21.07	1.394	1.212	19	0.95	3%	0
022.42	Copper, ICP, Open vessel (ppm)	0504	23.85	4.300	21.07	1.394	1.212	19	1.99	7%	0
022.42	Copper, ICP, Open vessel (ppm)	0026	25.77	2.304	21.07	1.394	1.212	19	3.37	11%	0
022.42	Copper, ICP, Open vessel (ppm)	0042	29.40	7.200	21.07	1.394	1.212	19	5.97	20%	1
022.43	Copper, ICP, Microwave (ppm)	2322	9.400	0.0400	20.87	2.001	1.033	29	-5.73	27%	0
022.43	Copper, ICP, Microwave (ppm)	0297	18.00	0.0000	20.87	2.001	1.033	29	-1.43	7%	0
022.43	Copper, ICP, Microwave (ppm)	0354	18.19	0.3600	20.87	2.001	1.033	29	-1.34	6%	0
022.43	Copper, ICP, Microwave (ppm)	0918	18.73	0.4100	20.87	2.001	1.033	29	-1.07	5%	0
022.43	Copper, ICP, Microwave (ppm)	0001	19.00	0.8000	20.87	2.001	1.033	29	-0.93	4%	0
022.43	Copper, ICP, Microwave (ppm)	0510	19.00	0.0000	20.87	2.001	1.033	29	-0.93	4%	0
022.43	Copper, ICP, Microwave (ppm)	0511	19.00	0.0000	20.87	2.001	1.033	29	-0.93	4%	0
022.43	Copper, ICP, Microwave (ppm)	0035	19.32	3.110	20.87	2.001	1.033	29	-0.78	4%	0
022.43	Copper, ICP, Microwave (ppm)	0083	19.98	0.7500	20.87	2.001	1.033	29	-0.45	2%	0
022.43	Copper, ICP, Microwave (ppm)	0610	20.00	0.9000	20.87	2.001	1.033	29	-0.43	2%	0
022.43	Copper, ICP, Microwave (ppm)	0675	20.48	0.0300	20.87	2.001	1.033	29	-0.20	1%	0
022.43	Copper, ICP, Microwave (ppm)	0169	20.50	0.6000	20.87	2.001	1.033	29	-0.18	1%	0
022.43	Copper, ICP, Microwave (ppm)	0033	20.75	2.500	20.87	2.001	1.033	29	-0.06	0%	0
022.43	Copper, ICP, Microwave (ppm)	2476	20.83	2.220	20.87	2.001	1.033	29	-0.02	0%	0
022.43	Copper, ICP, Microwave (ppm)	0505	20.91	0.6300	20.87	2.001	1.033	29	0.02	0%	0
022.43	Copper, ICP, Microwave (ppm)	0964	21.00	2.200	20.87	2.001	1.033	29	0.07	0%	0
022.43	Copper, ICP, Microwave (ppm)	0682	21.20	0.0000	20.87	2.001	1.033	29	0.17	1%	0
022.43	Copper, ICP, Microwave (ppm)	0010	21.25	0.5000	20.87	2.001	1.033	29	0.19	1%	0
022.43	Copper, ICP, Microwave (ppm)	0968	21.26	0.0740	20.87	2.001	1.033	29	0.19	1%	0
022.43	Copper, ICP, Microwave (ppm)	0098	21.67	0.7600	20.87	2.001	1.033	29	0.40	2%	0
022.43	Copper, ICP, Microwave (ppm)	0870	22.09	0.8600	20.87	2.001	1.033	29	0.61	3%	0
022.43	Copper, ICP, Microwave (ppm)	0038	22.15	3.900	20.87	2.001	1.033	29	0.64	3%	0
022.43	Copper, ICP, Microwave (ppm)	0407	22.23	1.577	20.87	2.001	1.033	29	0.68	3%	0
022.43	Copper, ICP, Microwave (ppm)	0027	22.39	1.857	20.87	2.001	1.033	29	0.76	4%	0
022.43	Copper, ICP, Microwave (ppm)	0353	22.85	0.1000	20.87	2.001	1.033	29	0.99	5%	0
022.43	Copper, ICP, Microwave (ppm)	2481	23.36	0.1700	20.87	2.001	1.033	29	1.24	6%	0
022.43	Copper, ICP, Microwave (ppm)	0875	23.50	1.000	20.87	2.001	1.033	29	1.31	6%	0
022.43	Copper, ICP, Microwave (ppm)	0226	23.98	0.0200	20.87	2.001	1.033	29	1.55	7%	0
022.43	Copper, ICP, Microwave (ppm)	0848	28.30	2.330	20.87	2.001	1.033	29	3.71	18%	0
022.44	Copper, ICP, Dry ash (ppm)	0227	19.50	1.000				2			0

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022.44	Copper, ICP, Dry ash (ppm)	0066	21.81	0.4500				2			0
022.52	Copper, ICP-MS, Open vessel (ppm)	0186	19.55	0.2300				2			0
022.52	Copper, ICP-MS, Open vessel (ppm)	0047	22.30	0.4800				2			0
022.53	Copper, ICP-MS, Microwave (ppm)	0553	20.05	1.100				3			0
022.53	Copper, ICP-MS, Microwave (ppm)	0939	20.61	3.200				3			0
022.53	Copper, ICP-MS, Microwave (ppm)	0407	22.27	0.8812				3			0
022.99	Copper, Miscellaneous (ppm)	0100	19.00	2.000	19.59	0.6142	1.275	4			0
022.99	Copper, Miscellaneous (ppm)	0590	19.40	0.8000	19.59	0.6142	1.275	4			0
022.99	Copper, Miscellaneous (ppm)	0242	19.50	1.000	19.59	0.6142	1.275	4			0
022.99	Copper, Miscellaneous (ppm)	0123	20.45	1.300	19.59	0.6142	1.275	4			0
022.99	Copper, Miscellaneous (ppm)	2302	27.45	2.770	19.59	0.6142	1.275	4			2
025.31	Iron, AAS, Dry ash (ppm)	0536	287.5	15.00	322.9	24.11	8.409	8	-1.47	5%	0
025.31	Iron, AAS, Dry ash (ppm)	2196	295.2	0.0000	322.9	24.11	8.409	8	-1.15	4%	0
025.31	Iron, AAS, Dry ash (ppm)	0651	323.5	17.11	322.9	24.11	8.409	8	0.02	0%	0
025.31	Iron, AAS, Dry ash (ppm)	0563	324.7	4.735	322.9	24.11	8.409	8	0.07	0%	0
025.31	Iron, AAS, Dry ash (ppm)	0939	328.8	7.500	322.9	24.11	8.409	8	0.24	1%	0
025.31	Iron, AAS, Dry ash (ppm)	0001	334.2	11.90	322.9	24.11	8.409	8	0.47	2%	0
025.31	Iron, AAS, Dry ash (ppm)	0948	343.0	0.6200	322.9	24.11	8.409	8	0.83	3%	0
025.31	Iron, AAS, Dry ash (ppm)	2188	346.8	1.998	322.9	24.11	8.409	8	0.99	4%	0
025.33	Iron, AAS, Microwave (ppm)	2115	314.7	20.20				1			0
025.41	Iron, ICP, Dry ash (ppm)	0066	244.8	3.710	309.7	17.58	9.883	17	-3.70	10%	0
025.41	Iron, ICP, Dry ash (ppm)	0226	259.4	8.970	309.7	17.58	9.883	17	-2.86	8%	0
025.41	Iron, ICP, Dry ash (ppm)	0208	291.5	40.70	309.7	17.58	9.883	17	-1.04	3%	0
025.41	Iron, ICP, Dry ash (ppm)	0407	300.5	9.155	309.7	17.58	9.883	17	-0.53	1%	0
025.41	Iron, ICP, Dry ash (ppm)	0358	300.5	19.26	309.7	17.58	9.883	17	-0.53	1%	0
025.41	Iron, ICP, Dry ash (ppm)	0229	302.6	2.900	309.7	17.58	9.883	17	-0.41	1%	0
025.41	Iron, ICP, Dry ash (ppm)	0723	303.4	3.000	309.7	17.58	9.883	17	-0.36	1%	0
025.41	Iron, ICP, Dry ash (ppm)	0171	305.5	5.000	309.7	17.58	9.883	17	-0.24	1%	0
025.41	Iron, ICP, Dry ash (ppm)	0598	307.7	31.56	309.7	17.58	9.883	17	-0.11	0%	0
025.41	Iron, ICP, Dry ash (ppm)	0227	317.0	0.0000	309.7	17.58	9.883	17	0.41	1%	0
025.41	Iron, ICP, Dry ash (ppm)	0520	317.1	23.28	309.7	17.58	9.883	17	0.42	1%	0
025.41	Iron, ICP, Dry ash (ppm)	0004	317.2	6.400	309.7	17.58	9.883	17	0.42	1%	0
025.41	Iron, ICP, Dry ash (ppm)	0049	318.7	1.730	309.7	17.58	9.883	17	0.51	1%	0
025.41	Iron, ICP, Dry ash (ppm)	0148	323.4	6.090	309.7	17.58	9.883	17	0.77	2%	0
025.41	Iron, ICP, Dry ash (ppm)	0674	328.5	0.0000	309.7	17.58	9.883	17	1.07	3%	0
025.41	Iron, ICP, Dry ash (ppm)	0098	332.3	6.800	309.7	17.58	9.883	17	1.28	4%	0
025.41	Iron, ICP, Dry ash (ppm)	0019	333.1	4.000	309.7	17.58	9.883	17	1.33	4%	0
025.42	Iron, ICP, Open vessel (ppm)	0726	197.3	0.7000	293.0	25.40	12.46	20	-3.77	16%	0
025.42	Iron, ICP, Open vessel (ppm)	0357	239.2	15.41	293.0	25.40	12.46	20	-2.12	9%	0
025.42	Iron, ICP, Open vessel (ppm)	2433	267.5	7.326	293.0	25.40	12.46	20	-1.00	4%	0
025.42	Iron, ICP, Open vessel (ppm)	0294	271.5	4.720	293.0	25.40	12.46	20	-0.85	4%	0
025.42	Iron, ICP, Open vessel (ppm)	0202	273.5	59.00	293.0	25.40	12.46	20	-0.77	3%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs			
025.42	Iron, ICP, Open vessel (ppm)	2129	285.6	1.700	293.0	25.40	12.46	20	-0.29	1%	0
025.42	Iron, ICP, Open vessel (ppm)	0693	286.0	14.00	293.0	25.40	12.46	20	-0.28	1%	0
025.42	Iron, ICP, Open vessel (ppm)	0263	286.2	4.487	293.0	25.40	12.46	20	-0.27	1%	0
025.42	Iron, ICP, Open vessel (ppm)	0278	287.5	37.00	293.0	25.40	12.46	20	-0.22	1%	0
025.42	Iron, ICP, Open vessel (ppm)	0190	289.5	5.940	293.0	25.40	12.46	20	-0.14	1%	0
025.42	Iron, ICP, Open vessel (ppm)	2319	293.0	24.00	293.0	25.40	12.46	20	0.00	0%	0
025.42	Iron, ICP, Open vessel (ppm)	0045	294.5	33.00	293.0	25.40	12.46	20	0.06	0%	0
025.42	Iron, ICP, Open vessel (ppm)	0042	297.5	15.00	293.0	25.40	12.46	20	0.18	1%	0
025.42	Iron, ICP, Open vessel (ppm)	0692	302.0	18.00	293.0	25.40	12.46	20	0.35	2%	0
025.42	Iron, ICP, Open vessel (ppm)	0413	305.0	0.4900	293.0	25.40	12.46	20	0.47	2%	0
025.42	Iron, ICP, Open vessel (ppm)	0009	307.0	16.00	293.0	25.40	12.46	20	0.55	2%	0
025.42	Iron, ICP, Open vessel (ppm)	0870	317.0	15.60	293.0	25.40	12.46	20	0.94	4%	0
025.42	Iron, ICP, Open vessel (ppm)	0504	325.0	4.000	293.0	25.40	12.46	20	1.26	5%	0
025.42	Iron, ICP, Open vessel (ppm)	0366	331.5	11.00	293.0	25.40	12.46	20	1.52	7%	0
025.42	Iron, ICP, Open vessel (ppm)	0026	354.3	5.336	293.0	25.40	12.46	20	2.41	10%	0
025.43	Iron, ICP, Microwave (ppm)	0083	221.0	8.330	316.2	23.13	9.687	27	-4.11	15%	0
025.43	Iron, ICP, Microwave (ppm)	0968	286.3	0.9670	316.2	23.13	9.687	27	-1.29	5%	0
025.43	Iron, ICP, Microwave (ppm)	2322	290.2	0.1000	316.2	23.13	9.687	27	-1.13	4%	0
025.43	Iron, ICP, Microwave (ppm)	0511	291.5	1.000	316.2	23.13	9.687	27	-1.07	4%	0
025.43	Iron, ICP, Microwave (ppm)	0354	293.4	15.67	316.2	23.13	9.687	27	-0.99	4%	0
025.43	Iron, ICP, Microwave (ppm)	2476	295.1	16.10	316.2	23.13	9.687	27	-0.92	3%	0
025.43	Iron, ICP, Microwave (ppm)	0510	297.5	3.000	316.2	23.13	9.687	27	-0.81	3%	0
025.43	Iron, ICP, Microwave (ppm)	0875	303.5	11.00	316.2	23.13	9.687	27	-0.55	2%	0
025.43	Iron, ICP, Microwave (ppm)	0353	305.5	5.000	316.2	23.13	9.687	27	-0.46	2%	0
025.43	Iron, ICP, Microwave (ppm)	0169	308.5	1.000	316.2	23.13	9.687	27	-0.33	1%	0
025.43	Iron, ICP, Microwave (ppm)	0297	308.5	11.00	316.2	23.13	9.687	27	-0.33	1%	0
025.43	Iron, ICP, Microwave (ppm)	0964	308.5	27.00	316.2	23.13	9.687	27	-0.33	1%	0
025.43	Iron, ICP, Microwave (ppm)	0675	313.4	10.80	316.2	23.13	9.687	27	-0.12	0%	0
025.43	Iron, ICP, Microwave (ppm)	2115	316.0	18.30	316.2	23.13	9.687	27	-0.01	0%	0
025.43	Iron, ICP, Microwave (ppm)	0001	317.0	14.00	316.2	23.13	9.687	27	0.03	0%	0
025.43	Iron, ICP, Microwave (ppm)	0033	318.0	6.000	316.2	23.13	9.687	27	0.08	0%	0
025.43	Iron, ICP, Microwave (ppm)	0610	318.8	16.50	316.2	23.13	9.687	27	0.11	0%	0
025.43	Iron, ICP, Microwave (ppm)	0505	326.4	11.20	316.2	23.13	9.687	27	0.44	2%	0
025.43	Iron, ICP, Microwave (ppm)	0038	329.5	25.00	316.2	23.13	9.687	27	0.57	2%	0
025.43	Iron, ICP, Microwave (ppm)	0870	330.8	8.800	316.2	23.13	9.687	27	0.63	2%	0
025.43	Iron, ICP, Microwave (ppm)	0918	333.8	13.83	316.2	23.13	9.687	27	0.76	3%	0
025.43	Iron, ICP, Microwave (ppm)	0682	334.6	0.0000	316.2	23.13	9.687	27	0.80	3%	0
025.43	Iron, ICP, Microwave (ppm)	0035	341.7	11.10	316.2	23.13	9.687	27	1.10	4%	0
025.43	Iron, ICP, Microwave (ppm)	0226	342.1	8.930	316.2	23.13	9.687	27	1.12	4%	0
025.43	Iron, ICP, Microwave (ppm)	0407	344.0	15.25	316.2	23.13	9.687	27	1.20	4%	0
025.43	Iron, ICP, Microwave (ppm)	2481	359.9	0.5700	316.2	23.13	9.687	27	1.89	7%	0
025.43	Iron, ICP, Microwave (ppm)	0098	361.4	1.800	316.2	23.13	9.687	27	1.95	7%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs			
025.43	Iron, ICP, Microwave (ppm)	0010	342.0	88.80	316.2	23.13	9.687	27	1.11	4%	1
025.53	Iron, ICP-MS, Microwave (ppm)	0553	279.0	4.000				3			0
025.53	Iron, ICP-MS, Microwave (ppm)	0939	336.0	2.000				3			0
025.53	Iron, ICP-MS, Microwave (ppm)	0407	366.4	46.79				3			0
025.99	Iron, Miscellaneous (ppm)	2302	261.6	12.97	285.7	17.08	19.74	4			0
025.99	Iron, Miscellaneous (ppm)	0100	289.0	22.00	285.7	17.08	19.74	4			0
025.99	Iron, Miscellaneous (ppm)	0242	290.0	6.000	285.7	17.08	19.74	4			0
025.99	Iron, Miscellaneous (ppm)	0123	302.0	38.00	285.7	17.08	19.74	4			0
027.31	Magnesium, AAS, Dry ash (%)	0001	0.2057	0.0029	0.2228	0.0128	0.0066	9	-1.34	4%	0
027.31	Magnesium, AAS, Dry ash (%)	2196	0.2100	0.0000	0.2228	0.0128	0.0066	9	-1.00	3%	0
027.31	Magnesium, AAS, Dry ash (%)	0939	0.2150	0.0100	0.2228	0.0128	0.0066	9	-0.61	2%	0
027.31	Magnesium, AAS, Dry ash (%)	0948	0.2200	0.0000	0.2228	0.0128	0.0066	9	-0.22	1%	0
027.31	Magnesium, AAS, Dry ash (%)	2246	0.2260	0.0102	0.2228	0.0128	0.0066	9	0.25	1%	0
027.31	Magnesium, AAS, Dry ash (%)	0563	0.2279	0.0088	0.2228	0.0128	0.0066	9	0.40	1%	0
027.31	Magnesium, AAS, Dry ash (%)	0038	0.2285	0.0010	0.2228	0.0128	0.0066	9	0.45	1%	0
027.31	Magnesium, AAS, Dry ash (%)	0656	0.2300	0.0000	0.2228	0.0128	0.0066	9	0.57	2%	0
027.31	Magnesium, AAS, Dry ash (%)	0536	0.2800	0.0000	0.2228	0.0128	0.0066	9	4.49	13%	0
027.32	Magnesium, AAS, Open vessel (%)	0169	0.2150	0.0100				1			0
027.33	Magnesium, AAS, Microwave (%)	2115	0.2300	0.0000				1			0
027.41	Magnesium, ICP, Dry ash (%)	0066	0.2015	0.0030	0.2160	0.0084	0.0080	17	-1.72	3%	0
027.41	Magnesium, ICP, Dry ash (%)	0520	0.2088	0.0011	0.2160	0.0084	0.0080	17	-0.86	2%	0
027.41	Magnesium, ICP, Dry ash (%)	0148	0.2095	0.0050	0.2160	0.0084	0.0080	17	-0.77	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0004	0.2100	0.0000	0.2160	0.0084	0.0080	17	-0.71	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0674	0.2100	0.0000	0.2160	0.0084	0.0080	17	-0.71	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0229	0.2100	0.0200	0.2160	0.0084	0.0080	17	-0.71	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0598	0.2120	0.0029	0.2160	0.0084	0.0080	17	-0.48	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0171	0.2135	0.0050	0.2160	0.0084	0.0080	17	-0.29	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0358	0.2150	0.0100	0.2160	0.0084	0.0080	17	-0.12	0%	0
027.41	Magnesium, ICP, Dry ash (%)	0208	0.2160	0.0040	0.2160	0.0084	0.0080	17	0.00	0%	0
027.41	Magnesium, ICP, Dry ash (%)	0407	0.2169	0.0030	0.2160	0.0084	0.0080	17	0.11	0%	0
027.41	Magnesium, ICP, Dry ash (%)	0049	0.2200	0.0000	0.2160	0.0084	0.0080	17	0.48	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0226	0.2200	0.0200	0.2160	0.0084	0.0080	17	0.48	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0019	0.2250	0.0000	0.2160	0.0084	0.0080	17	1.07	2%	0
027.41	Magnesium, ICP, Dry ash (%)	0098	0.2250	0.0100	0.2160	0.0084	0.0080	17	1.07	2%	0
027.41	Magnesium, ICP, Dry ash (%)	2482	0.2280	0.0001	0.2160	0.0084	0.0080	17	1.42	3%	0
027.41	Magnesium, ICP, Dry ash (%)	0413	0.2300	0.0200	0.2160	0.0084	0.0080	17	1.67	3%	0
027.42	Magnesium, ICP, Open vessel (%)	2129	0.1920	0.0040	0.2223	0.0134	0.0068	20	-2.26	7%	0
027.42	Magnesium, ICP, Open vessel (%)	0045	0.2050	0.0020	0.2223	0.0134	0.0068	20	-1.29	4%	0
027.42	Magnesium, ICP, Open vessel (%)	0294	0.2050	0.0100	0.2223	0.0134	0.0068	20	-1.29	4%	0
027.42	Magnesium, ICP, Open vessel (%)	2433	0.2087	0.0008	0.2223	0.0134	0.0068	20	-1.02	3%	0
027.42	Magnesium, ICP, Open vessel (%)	0009	0.2149	0.0143	0.2223	0.0134	0.0068	20	-0.56	2%	0
027.42	Magnesium, ICP, Open vessel (%)	0026	0.2160	0.0060	0.2223	0.0134	0.0068	20	-0.47	1%	0

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			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs			
027.42	Magnesium, ICP, Open vessel (%)	0366	0.2200	0.0000	0.2223	0.0134	0.0068	20	-0.17	1%	0
027.42	Magnesium, ICP, Open vessel (%)	0726	0.2200	0.0000	0.2223	0.0134	0.0068	20	-0.17	1%	0
027.42	Magnesium, ICP, Open vessel (%)	0357	0.2201	0.0028	0.2223	0.0134	0.0068	20	-0.16	0%	0
027.42	Magnesium, ICP, Open vessel (%)	2319	0.2210	0.0040	0.2223	0.0134	0.0068	20	-0.10	0%	0
027.42	Magnesium, ICP, Open vessel (%)	0870	0.2216	0.0046	0.2223	0.0134	0.0068	20	-0.05	0%	0
027.42	Magnesium, ICP, Open vessel (%)	0263	0.2225	0.0010	0.2223	0.0134	0.0068	20	0.01	0%	0
027.42	Magnesium, ICP, Open vessel (%)	0693	0.2250	0.0300	0.2223	0.0134	0.0068	20	0.20	1%	0
027.42	Magnesium, ICP, Open vessel (%)	0190	0.2250	0.0100	0.2223	0.0134	0.0068	20	0.20	1%	0
027.42	Magnesium, ICP, Open vessel (%)	0278	0.2300	0.0200	0.2223	0.0134	0.0068	20	0.57	2%	0
027.42	Magnesium, ICP, Open vessel (%)	0202	0.2310	0.0040	0.2223	0.0134	0.0068	20	0.65	2%	0
027.42	Magnesium, ICP, Open vessel (%)	0042	0.2365	0.0010	0.2223	0.0134	0.0068	20	1.06	3%	0
027.42	Magnesium, ICP, Open vessel (%)	0186	0.2392	0.0009	0.2223	0.0134	0.0068	20	1.26	4%	0
027.42	Magnesium, ICP, Open vessel (%)	0692	0.2400	0.0200	0.2223	0.0134	0.0068	20	1.32	4%	0
027.42	Magnesium, ICP, Open vessel (%)	0504	0.2575	0.0070	0.2223	0.0134	0.0068	20	2.63	8%	0
027.43	Magnesium, ICP, Microwave (%)	0510	0.1850	0.0100	0.2168	0.0138	0.0057	29	-2.31	7%	0
027.43	Magnesium, ICP, Microwave (%)	0511	0.1850	0.0100	0.2168	0.0138	0.0057	29	-2.31	7%	0
027.43	Magnesium, ICP, Microwave (%)	0083	0.1880	0.0040	0.2168	0.0138	0.0057	29	-2.09	7%	0
027.43	Magnesium, ICP, Microwave (%)	2115	0.2000	0.0000	0.2168	0.0138	0.0057	29	-1.22	4%	0
027.43	Magnesium, ICP, Microwave (%)	2476	0.2030	0.0040	0.2168	0.0138	0.0057	29	-1.00	3%	0
027.43	Magnesium, ICP, Microwave (%)	0038	0.2055	0.0090	0.2168	0.0138	0.0057	29	-0.82	3%	0
027.43	Magnesium, ICP, Microwave (%)	0968	0.2095	0.0030	0.2168	0.0138	0.0057	29	-0.53	2%	0
027.43	Magnesium, ICP, Microwave (%)	0226	0.2100	0.0000	0.2168	0.0138	0.0057	29	-0.50	2%	0
027.43	Magnesium, ICP, Microwave (%)	0297	0.2100	0.0000	0.2168	0.0138	0.0057	29	-0.50	2%	0
027.43	Magnesium, ICP, Microwave (%)	0918	0.2100	0.0040	0.2168	0.0138	0.0057	29	-0.50	2%	0
027.43	Magnesium, ICP, Microwave (%)	0964	0.2149	0.0081	0.2168	0.0138	0.0057	29	-0.14	0%	0
027.43	Magnesium, ICP, Microwave (%)	0610	0.2150	0.0100	0.2168	0.0138	0.0057	29	-0.13	0%	0
027.43	Magnesium, ICP, Microwave (%)	0675	0.2150	0.0100	0.2168	0.0138	0.0057	29	-0.13	0%	0
027.43	Magnesium, ICP, Microwave (%)	0668	0.2160	0.0020	0.2168	0.0138	0.0057	29	-0.06	0%	0
027.43	Magnesium, ICP, Microwave (%)	0027	0.2165	0.0010	0.2168	0.0138	0.0057	29	-0.02	0%	0
027.43	Magnesium, ICP, Microwave (%)	0875	0.2175	0.0010	0.2168	0.0138	0.0057	29	0.05	0%	0
027.43	Magnesium, ICP, Microwave (%)	0001	0.2180	0.0020	0.2168	0.0138	0.0057	29	0.08	0%	0
027.43	Magnesium, ICP, Microwave (%)	0010	0.2200	0.0000	0.2168	0.0138	0.0057	29	0.23	1%	0
027.43	Magnesium, ICP, Microwave (%)	0353	0.2200	0.0000	0.2168	0.0138	0.0057	29	0.23	1%	0
027.43	Magnesium, ICP, Microwave (%)	0682	0.2200	0.0000	0.2168	0.0138	0.0057	29	0.23	1%	0
027.43	Magnesium, ICP, Microwave (%)	0033	0.2225	0.0090	0.2168	0.0138	0.0057	29	0.41	1%	0
027.43	Magnesium, ICP, Microwave (%)	0870	0.2240	0.0068	0.2168	0.0138	0.0057	29	0.52	2%	0
027.43	Magnesium, ICP, Microwave (%)	0354	0.2290	0.0100	0.2168	0.0138	0.0057	29	0.88	3%	0
027.43	Magnesium, ICP, Microwave (%)	0035	0.2300	0.0000	0.2168	0.0138	0.0057	29	0.95	3%	0
027.43	Magnesium, ICP, Microwave (%)	2481	0.2300	0.0000	0.2168	0.0138	0.0057	29	0.95	3%	0
027.43	Magnesium, ICP, Microwave (%)	0505	0.2310	0.0020	0.2168	0.0138	0.0057	29	1.03	3%	0
027.43	Magnesium, ICP, Microwave (%)	0011	0.2400	0.0000	0.2168	0.0138	0.0057	29	1.68	5%	0
027.43	Magnesium, ICP, Microwave (%)	2322	0.2415	0.0030	0.2168	0.0138	0.0057	29	1.79	6%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs			
027.43	Magnesium, ICP, Microwave (%)	0407	0.2470	0.0047	0.2168	0.0138	0.0057	29	2.18	7%	0
027.43	Magnesium, ICP, Microwave (%)	0098	0.2400	0.0200	0.2168	0.0138	0.0057	29	1.68	5%	1
027.43	Magnesium, ICP, Microwave (%)	0089	0.4400	0.0000	0.2168	0.0138	0.0057	29	16.16	51%	2
027.44	Magnesium, ICP, Dry ash (%)	0227	0.2205	0.0010				1			0
027.52	Magnesium, ICP-MS, Open vessel (%)	0154	0.1952	0.0131				3			0
027.52	Magnesium, ICP-MS, Open vessel (%)	0047	0.2150	0.0100				3			0
027.52	Magnesium, ICP-MS, Open vessel (%)	0186	0.2248	0.0074				3			0
027.53	Magnesium, ICP-MS, Microwave (%)	0553	0.2075	0.0010				3			0
027.53	Magnesium, ICP-MS, Microwave (%)	0939	0.2150	0.0100				3			0
027.53	Magnesium, ICP-MS, Microwave (%)	0407	0.2450	0.0086				3			0
027.99	Magnesium, Miscellaneous (%)	2302	0.1950	0.0100	0.2140	0.0129	0.0100	5			0
027.99	Magnesium, Miscellaneous (%)	0242	0.2100	0.0000	0.2140	0.0129	0.0100	5			0
027.99	Magnesium, Miscellaneous (%)	0100	0.2150	0.0100	0.2140	0.0129	0.0100	5			0
027.99	Magnesium, Miscellaneous (%)	0123	0.2200	0.0000	0.2140	0.0129	0.0100	5			0
027.99	Magnesium, Miscellaneous (%)	0590	0.2300	0.0000	0.2140	0.0129	0.0100	5			0
028.31	Manganese, AAS, Dry ash (ppm)	0689	45.40	7.600	67.63	9.200	2.732	10	-2.42	16%	0
028.31	Manganese, AAS, Dry ash (ppm)	2246	57.06	0.6739	67.63	9.200	2.732	10	-1.15	8%	0
028.31	Manganese, AAS, Dry ash (ppm)	0651	63.40	1.422	67.63	9.200	2.732	10	-0.46	3%	0
028.31	Manganese, AAS, Dry ash (ppm)	0939	66.09	2.340	67.63	9.200	2.732	10	-0.17	1%	0
028.31	Manganese, AAS, Dry ash (ppm)	2196	67.94	0.0000	67.63	9.200	2.732	10	0.03	0%	0
028.31	Manganese, AAS, Dry ash (ppm)	0563	68.31	1.822	67.63	9.200	2.732	10	0.07	1%	0
028.31	Manganese, AAS, Dry ash (ppm)	0001	71.74	5.210	67.63	9.200	2.732	10	0.45	3%	0
028.31	Manganese, AAS, Dry ash (ppm)	0948	73.16	3.820	67.63	9.200	2.732	10	0.60	4%	0
028.31	Manganese, AAS, Dry ash (ppm)	2188	73.30	1.532	67.63	9.200	2.732	10	0.62	4%	0
028.31	Manganese, AAS, Dry ash (ppm)	0536	82.00	2.000	67.63	9.200	2.732	10	1.56	11%	0
028.32	Manganese, AAS, Open vessel (ppm)	0038	74.00	4.600				1			0
028.33	Manganese, AAS, Microwave (ppm)	2115	72.34	1.560				1			0
028.41	Manganese, ICP, Dry ash (ppm)	0226	59.81	0.5800	66.95	4.682	1.540	14	-1.53	5%	0
028.41	Manganese, ICP, Dry ash (ppm)	0723	62.81	0.0600	66.95	4.682	1.540	14	-0.89	3%	0
028.41	Manganese, ICP, Dry ash (ppm)	0674	63.06	0.0000	66.95	4.682	1.540	14	-0.83	3%	0
028.41	Manganese, ICP, Dry ash (ppm)	0208	64.03	3.710	66.95	4.682	1.540	14	-0.63	2%	0
028.41	Manganese, ICP, Dry ash (ppm)	0358	64.56	1.540	66.95	4.682	1.540	14	-0.51	2%	0
028.41	Manganese, ICP, Dry ash (ppm)	0407	65.97	0.6036	66.95	4.682	1.540	14	-0.21	1%	0
028.41	Manganese, ICP, Dry ash (ppm)	0004	65.99	0.2400	66.95	4.682	1.540	14	-0.21	1%	0
028.41	Manganese, ICP, Dry ash (ppm)	0520	66.56	0.4820	66.95	4.682	1.540	14	-0.08	0%	0
028.41	Manganese, ICP, Dry ash (ppm)	0171	67.15	1.100	66.95	4.682	1.540	14	0.04	0%	0
028.41	Manganese, ICP, Dry ash (ppm)	0049	68.53	3.050	66.95	4.682	1.540	14	0.34	1%	0
028.41	Manganese, ICP, Dry ash (ppm)	0019	69.82	0.9750	66.95	4.682	1.540	14	0.61	2%	0
028.41	Manganese, ICP, Dry ash (ppm)	0598	71.41	0.9660	66.95	4.682	1.540	14	0.95	3%	0
028.41	Manganese, ICP, Dry ash (ppm)	0098	73.57	2.890	66.95	4.682	1.540	14	1.41	5%	0
028.41	Manganese, ICP, Dry ash (ppm)	0148	76.35	13.24	66.95	4.682	1.540	14	2.01	7%	0
028.41	Manganese, ICP, Dry ash (ppm)	0229	68.22	15.91	66.95	4.682	1.540	14	0.27	1%	1

Test Material Code # 202524	Method Proficiency Testing Report	Issue Date : 05/31/2025
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Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs			
028.42	Manganese, ICP, Open vessel (ppm)	0870	63.71	0.0100	69.83	4.447	2.864	21	-1.38	4%	0
028.42	Manganese, ICP, Open vessel (ppm)	2433	64.48	3.241	69.83	4.447	2.864	21	-1.20	4%	0
028.42	Manganese, ICP, Open vessel (ppm)	0278	65.00	0.0000	69.83	4.447	2.864	21	-1.09	3%	0
028.42	Manganese, ICP, Open vessel (ppm)	0294	65.27	4.580	69.83	4.447	2.864	21	-1.03	3%	0
028.42	Manganese, ICP, Open vessel (ppm)	2129	65.44	1.000	69.83	4.447	2.864	21	-0.99	3%	0
028.42	Manganese, ICP, Open vessel (ppm)	0263	66.92	1.020	69.83	4.447	2.864	21	-0.65	2%	0
028.42	Manganese, ICP, Open vessel (ppm)	0045	67.45	0.1000	69.83	4.447	2.864	21	-0.53	2%	0
028.42	Manganese, ICP, Open vessel (ppm)	0366	68.00	0.0000	69.83	4.447	2.864	21	-0.41	1%	0
028.42	Manganese, ICP, Open vessel (ppm)	0693	68.00	2.000	69.83	4.447	2.864	21	-0.41	1%	0
028.42	Manganese, ICP, Open vessel (ppm)	0186	69.76	5.050	69.83	4.447	2.864	21	-0.02	0%	0
028.42	Manganese, ICP, Open vessel (ppm)	2319	70.05	6.500	69.83	4.447	2.864	21	0.05	0%	0
028.42	Manganese, ICP, Open vessel (ppm)	0726	70.16	0.6900	69.83	4.447	2.864	21	0.07	0%	0
028.42	Manganese, ICP, Open vessel (ppm)	0692	71.00	8.000	69.83	4.447	2.864	21	0.26	1%	0
028.42	Manganese, ICP, Open vessel (ppm)	0357	71.51	0.8740	69.83	4.447	2.864	21	0.38	1%	0
028.42	Manganese, ICP, Open vessel (ppm)	0009	72.50	1.000	69.83	4.447	2.864	21	0.60	2%	0
028.42	Manganese, ICP, Open vessel (ppm)	0504	72.50	3.400	69.83	4.447	2.864	21	0.60	2%	0
028.42	Manganese, ICP, Open vessel (ppm)	0042	73.60	6.400	69.83	4.447	2.864	21	0.85	3%	0
028.42	Manganese, ICP, Open vessel (ppm)	0026	73.84	3.910	69.83	4.447	2.864	21	0.90	3%	0
028.42	Manganese, ICP, Open vessel (ppm)	0413	74.23	3.500	69.83	4.447	2.864	21	0.99	3%	0
028.42	Manganese, ICP, Open vessel (ppm)	0202	79.70	4.200	69.83	4.447	2.864	21	2.22	7%	0
028.42	Manganese, ICP, Open vessel (ppm)	0190	81.53	0.1600	69.83	4.447	2.864	21	2.63	8%	0
028.43	Manganese, ICP, Microwave (ppm)	0511	59.50	5.000	69.25	4.417	3.041	28	-2.21	7%	0
028.43	Manganese, ICP, Microwave (ppm)	0354	63.85	4.370	69.25	4.417	3.041	28	-1.22	4%	0
028.43	Manganese, ICP, Microwave (ppm)	0169	64.75	0.1000	69.25	4.417	3.041	28	-1.02	3%	0
028.43	Manganese, ICP, Microwave (ppm)	0510	65.00	0.0000	69.25	4.417	3.041	28	-0.96	3%	0
028.43	Manganese, ICP, Microwave (ppm)	0083	65.04	0.8500	69.25	4.417	3.041	28	-0.95	3%	0
028.43	Manganese, ICP, Microwave (ppm)	0675	65.99	0.0500	69.25	4.417	3.041	28	-0.74	2%	0
028.43	Manganese, ICP, Microwave (ppm)	0870	66.49	0.6000	69.25	4.417	3.041	28	-0.63	2%	0
028.43	Manganese, ICP, Microwave (ppm)	0682	66.62	0.0000	69.25	4.417	3.041	28	-0.60	2%	0
028.43	Manganese, ICP, Microwave (ppm)	0001	67.20	4.800	69.25	4.417	3.041	28	-0.46	1%	0
028.43	Manganese, ICP, Microwave (ppm)	0033	67.45	0.1000	69.25	4.417	3.041	28	-0.41	1%	0
028.43	Manganese, ICP, Microwave (ppm)	0038	68.00	5.600	69.25	4.417	3.041	28	-0.28	1%	0
028.43	Manganese, ICP, Microwave (ppm)	0505	68.09	1.190	69.25	4.417	3.041	28	-0.26	1%	0
028.43	Manganese, ICP, Microwave (ppm)	2476	68.12	2.370	69.25	4.417	3.041	28	-0.26	1%	0
028.43	Manganese, ICP, Microwave (ppm)	0226	68.16	0.1800	69.25	4.417	3.041	28	-0.25	1%	0
028.43	Manganese, ICP, Microwave (ppm)	0610	68.28	9.050	69.25	4.417	3.041	28	-0.22	1%	0
028.43	Manganese, ICP, Microwave (ppm)	0968	68.49	1.768	69.25	4.417	3.041	28	-0.17	1%	0
028.43	Manganese, ICP, Microwave (ppm)	0297	68.50	5.000	69.25	4.417	3.041	28	-0.17	1%	0
028.43	Manganese, ICP, Microwave (ppm)	0964	69.65	5.100	69.25	4.417	3.041	28	0.09	0%	0
028.43	Manganese, ICP, Microwave (ppm)	0010	70.15	5.900	69.25	4.417	3.041	28	0.20	1%	0
028.43	Manganese, ICP, Microwave (ppm)	0035	71.39	1.700	69.25	4.417	3.041	28	0.48	2%	0
028.43	Manganese, ICP, Microwave (ppm)	0407	71.63	0.9624	69.25	4.417	3.041	28	0.54	2%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs			
028.43	Manganese, ICP, Microwave (ppm)	2115	71.82	6.350	69.25	4.417	3.041	28	0.58	2%	0
028.43	Manganese, ICP, Microwave (ppm)	0027	73.90	8.494	69.25	4.417	3.041	28	1.05	3%	0
028.43	Manganese, ICP, Microwave (ppm)	0098	74.74	4.870	69.25	4.417	3.041	28	1.24	4%	0
028.43	Manganese, ICP, Microwave (ppm)	0875	75.50	3.000	69.25	4.417	3.041	28	1.41	5%	0
028.43	Manganese, ICP, Microwave (ppm)	2481	76.11	2.650	69.25	4.417	3.041	28	1.55	5%	0
028.43	Manganese, ICP, Microwave (ppm)	0353	76.70	2.200	69.25	4.417	3.041	28	1.69	5%	0
028.43	Manganese, ICP, Microwave (ppm)	2322	91.21	0.0400	69.25	4.417	3.041	28	4.97	16%	0
028.43	Manganese, ICP, Microwave (ppm)	0918	75.14	16.45	69.25	4.417	3.041	28	1.33	4%	1
028.44	Manganese, ICP, Dry ash (ppm)	0066	54.10	0.9600				2			0
028.44	Manganese, ICP, Dry ash (ppm)	0227	70.50	1.000				2			0
028.52	Manganese, ICP-MS, Open vessel (ppm)	0047	67.19	2.650				2			0
028.52	Manganese, ICP-MS, Open vessel (ppm)	0186	68.59	5.650				2			0
028.53	Manganese, ICP-MS, Microwave (ppm)	0553	63.80	8.600				3			0
028.53	Manganese, ICP-MS, Microwave (ppm)	0939	64.43	1.820				3			0
028.53	Manganese, ICP-MS, Microwave (ppm)	0407	79.68	11.93				3			0
028.99	Manganese, Miscellaneous (ppm)	0590	66.15	2.300	67.46	1.089	4.125	4			0
028.99	Manganese, Miscellaneous (ppm)	0242	67.00	4.000	67.46	1.089	4.125	4			0
028.99	Manganese, Miscellaneous (ppm)	0123	68.20	7.200	67.46	1.089	4.125	4			0
028.99	Manganese, Miscellaneous (ppm)	0100	68.50	3.000	67.46	1.089	4.125	4			0
028.99	Manganese, Miscellaneous (ppm)	2302	86.92	0.4500	67.46	1.089	4.125	4			2
030.01	Nitrate, Ion-selective electrode (%)	0357	0.0000	0.0000				0			4
031.01	Phosphorus, Photometric (%)	0108	0.4950	0.0500	0.5414	0.0247	0.0147	24	-1.88	4%	0
031.01	Phosphorus, Photometric (%)	2144	0.5050	0.0100	0.5414	0.0247	0.0147	24	-1.48	3%	0
031.01	Phosphorus, Photometric (%)	2246	0.5127	0.0026	0.5414	0.0247	0.0147	24	-1.16	3%	0
031.01	Phosphorus, Photometric (%)	0018	0.5195	0.0050	0.5414	0.0247	0.0147	24	-0.89	2%	0
031.01	Phosphorus, Photometric (%)	2200	0.5200	0.0400	0.5414	0.0247	0.0147	24	-0.87	2%	0
031.01	Phosphorus, Photometric (%)	2302	0.5250	0.0100	0.5414	0.0247	0.0147	24	-0.67	2%	0
031.01	Phosphorus, Photometric (%)	0939	0.5300	0.0200	0.5414	0.0247	0.0147	24	-0.46	1%	0
031.01	Phosphorus, Photometric (%)	2188	0.5300	0.0200	0.5414	0.0247	0.0147	24	-0.46	1%	0
031.01	Phosphorus, Photometric (%)	2325	0.5300	0.0000	0.5414	0.0247	0.0147	24	-0.46	1%	0
031.01	Phosphorus, Photometric (%)	0884	0.5400	0.0200	0.5414	0.0247	0.0147	24	-0.06	0%	0
031.01	Phosphorus, Photometric (%)	0948	0.5400	0.0000	0.5414	0.0247	0.0147	24	-0.06	0%	0
031.01	Phosphorus, Photometric (%)	2193	0.5400	0.0000	0.5414	0.0247	0.0147	24	-0.06	0%	0
031.01	Phosphorus, Photometric (%)	2196	0.5400	0.0000	0.5414	0.0247	0.0147	24	-0.06	0%	0
031.01	Phosphorus, Photometric (%)	2434	0.5400	0.0000	0.5414	0.0247	0.0147	24	-0.06	0%	0
031.01	Phosphorus, Photometric (%)	0590	0.5450	0.0100	0.5414	0.0247	0.0147	24	0.14	0%	0
031.01	Phosphorus, Photometric (%)	2146	0.5450	0.0100	0.5414	0.0247	0.0147	24	0.14	0%	0
031.01	Phosphorus, Photometric (%)	0689	0.5500	0.0000	0.5414	0.0247	0.0147	24	0.35	1%	0
031.01	Phosphorus, Photometric (%)	0563	0.5531	0.0037	0.5414	0.0247	0.0147	24	0.47	1%	0
031.01	Phosphorus, Photometric (%)	0651	0.5620	0.0280	0.5414	0.0247	0.0147	24	0.83	2%	0
031.01	Phosphorus, Photometric (%)	2009	0.5632	0.0086	0.5414	0.0247	0.0147	24	0.88	2%	0
031.01	Phosphorus, Photometric (%)	2190	0.5644	0.0029	0.5414	0.0247	0.0147	24	0.93	2%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs			
031.01	Phosphorus, Photometric (%)	2115	0.5800	0.0000	0.5414	0.0247	0.0147	24	1.56	4%	0
031.01	Phosphorus, Photometric (%)	2199	0.5850	0.0100	0.5414	0.0247	0.0147	24	1.76	4%	0
031.01	Phosphorus, Photometric (%)	2006	0.5870	0.0260	0.5414	0.0247	0.0147	24	1.84	4%	0
031.03	Phosphorus, Autoanalyzer (%)	0001	0.5286	0.0031				2			0
031.03	Phosphorus, Autoanalyzer (%)	0169	0.5450	0.0100				2			0
031.06	Phosphorus, Hach Method (%)	0536	0.7500	0.0400				1			0
031.41	Phosphorus, ICP, Dry ash (%)	0019	0.5225	0.0050	0.5478	0.0200	0.0164	19	-1.27	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	0004	0.5250	0.0100	0.5478	0.0200	0.0164	19	-1.14	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	0674	0.5300	0.0000	0.5478	0.0200	0.0164	19	-0.89	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	0407	0.5309	0.0105	0.5478	0.0200	0.0164	19	-0.85	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	0598	0.5314	0.0024	0.5478	0.0200	0.0164	19	-0.82	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0171	0.5350	0.0100	0.5478	0.0200	0.0164	19	-0.64	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0520	0.5393	0.0098	0.5478	0.0200	0.0164	19	-0.43	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0229	0.5400	0.0400	0.5478	0.0200	0.0164	19	-0.39	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0358	0.5450	0.0100	0.5478	0.0200	0.0164	19	-0.14	0%	0
031.41	Phosphorus, ICP, Dry ash (%)	0723	0.5450	0.0300	0.5478	0.0200	0.0164	19	-0.14	0%	0
031.41	Phosphorus, ICP, Dry ash (%)	2259	0.5460	0.0200	0.5478	0.0200	0.0164	19	-0.09	0%	0
031.41	Phosphorus, ICP, Dry ash (%)	0208	0.5475	0.0370	0.5478	0.0200	0.0164	19	-0.01	0%	0
031.41	Phosphorus, ICP, Dry ash (%)	0226	0.5500	0.0200	0.5478	0.0200	0.0164	19	0.11	0%	0
031.41	Phosphorus, ICP, Dry ash (%)	0144	0.5600	0.0000	0.5478	0.0200	0.0164	19	0.61	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0848	0.5650	0.0100	0.5478	0.0200	0.0164	19	0.86	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	0413	0.5700	0.0000	0.5478	0.0200	0.0164	19	1.11	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	0049	0.5700	0.0200	0.5478	0.0200	0.0164	19	1.11	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	0098	0.5801	0.0039	0.5478	0.0200	0.0164	19	1.62	3%	0
031.41	Phosphorus, ICP, Dry ash (%)	0148	0.5900	0.0300	0.5478	0.0200	0.0164	19	2.12	4%	0
031.42	Phosphorus, ICP, Open vessel (%)	0504	0.4880	0.0220	0.5362	0.0345	0.0132	21	-1.40	4%	0
031.42	Phosphorus, ICP, Open vessel (%)	0692	0.5000	0.0200	0.5362	0.0345	0.0132	21	-1.05	3%	0
031.42	Phosphorus, ICP, Open vessel (%)	0294	0.5050	0.0100	0.5362	0.0345	0.0132	21	-0.90	3%	0
031.42	Phosphorus, ICP, Open vessel (%)	0186	0.5069	0.0066	0.5362	0.0345	0.0132	21	-0.85	3%	0
031.42	Phosphorus, ICP, Open vessel (%)	0009	0.5120	0.0338	0.5362	0.0345	0.0132	21	-0.70	2%	0
031.42	Phosphorus, ICP, Open vessel (%)	2129	0.5130	0.0020	0.5362	0.0345	0.0132	21	-0.67	2%	0
031.42	Phosphorus, ICP, Open vessel (%)	2433	0.5172	0.0041	0.5362	0.0345	0.0132	21	-0.55	2%	0
031.42	Phosphorus, ICP, Open vessel (%)	0045	0.5235	0.0290	0.5362	0.0345	0.0132	21	-0.37	1%	0
031.42	Phosphorus, ICP, Open vessel (%)	0366	0.5250	0.0100	0.5362	0.0345	0.0132	21	-0.32	1%	0
031.42	Phosphorus, ICP, Open vessel (%)	0870	0.5270	0.0063	0.5362	0.0345	0.0132	21	-0.27	1%	0
031.42	Phosphorus, ICP, Open vessel (%)	0278	0.5300	0.0400	0.5362	0.0345	0.0132	21	-0.18	1%	0
031.42	Phosphorus, ICP, Open vessel (%)	0693	0.5300	0.0000	0.5362	0.0345	0.0132	21	-0.18	1%	0
031.42	Phosphorus, ICP, Open vessel (%)	0026	0.5365	0.0170	0.5362	0.0345	0.0132	21	0.01	0%	0
031.42	Phosphorus, ICP, Open vessel (%)	0047	0.5400	0.0200	0.5362	0.0345	0.0132	21	0.11	0%	0
031.42	Phosphorus, ICP, Open vessel (%)	0263	0.5445	0.0070	0.5362	0.0345	0.0132	21	0.24	1%	0
031.42	Phosphorus, ICP, Open vessel (%)	2319	0.5480	0.0020	0.5362	0.0345	0.0132	21	0.34	1%	0
031.42	Phosphorus, ICP, Open vessel (%)	0726	0.5750	0.0100	0.5362	0.0345	0.0132	21	1.13	4%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs			
031.42	Phosphorus, ICP, Open vessel (%)	0042	0.5790	0.0040	0.5362	0.0345	0.0132	21	1.24	4%	0
031.42	Phosphorus, ICP, Open vessel (%)	0357	0.5831	0.0058	0.5362	0.0345	0.0132	21	1.36	4%	0
031.42	Phosphorus, ICP, Open vessel (%)	0202	0.5890	0.0160	0.5362	0.0345	0.0132	21	1.53	5%	0
031.42	Phosphorus, ICP, Open vessel (%)	0190	0.5900	0.0000	0.5362	0.0345	0.0132	21	1.56	5%	0
031.43	Phosphorus, ICP, Microwave (%)	0083	0.4820	0.0180	0.5463	0.0251	0.0131	33	-2.57	6%	0
031.43	Phosphorus, ICP, Microwave (%)	0610	0.5000	0.0200	0.5463	0.0251	0.0131	33	-1.85	4%	0
031.43	Phosphorus, ICP, Microwave (%)	0036	0.5142	0.0098	0.5463	0.0251	0.0131	33	-1.28	3%	0
031.43	Phosphorus, ICP, Microwave (%)	0297	0.5150	0.0100	0.5463	0.0251	0.0131	33	-1.25	3%	0
031.43	Phosphorus, ICP, Microwave (%)	0038	0.5185	0.0090	0.5463	0.0251	0.0131	33	-1.11	3%	0
031.43	Phosphorus, ICP, Microwave (%)	0353	0.5200	0.0000	0.5463	0.0251	0.0131	33	-1.05	2%	0
031.43	Phosphorus, ICP, Microwave (%)	2476	0.5200	0.0180	0.5463	0.0251	0.0131	33	-1.05	2%	0
031.43	Phosphorus, ICP, Microwave (%)	0001	0.5270	0.0140	0.5463	0.0251	0.0131	33	-0.77	2%	0
031.43	Phosphorus, ICP, Microwave (%)	0010	0.5350	0.0100	0.5463	0.0251	0.0131	33	-0.45	1%	0
031.43	Phosphorus, ICP, Microwave (%)	2115	0.5350	0.0100	0.5463	0.0251	0.0131	33	-0.45	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0968	0.5355	0.0010	0.5463	0.0251	0.0131	33	-0.43	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0511	0.5400	0.0200	0.5463	0.0251	0.0131	33	-0.25	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0682	0.5400	0.0000	0.5463	0.0251	0.0131	33	-0.25	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0668	0.5420	0.0120	0.5463	0.0251	0.0131	33	-0.17	0%	0
031.43	Phosphorus, ICP, Microwave (%)	0033	0.5435	0.0350	0.5463	0.0251	0.0131	33	-0.11	0%	0
031.43	Phosphorus, ICP, Microwave (%)	0918	0.5445	0.0090	0.5463	0.0251	0.0131	33	-0.07	0%	0
031.43	Phosphorus, ICP, Microwave (%)	0035	0.5450	0.0100	0.5463	0.0251	0.0131	33	-0.05	0%	0
031.43	Phosphorus, ICP, Microwave (%)	0848	0.5450	0.0100	0.5463	0.0251	0.0131	33	-0.05	0%	0
031.43	Phosphorus, ICP, Microwave (%)	0226	0.5500	0.0000	0.5463	0.0251	0.0131	33	0.15	0%	0
031.43	Phosphorus, ICP, Microwave (%)	0510	0.5500	0.0000	0.5463	0.0251	0.0131	33	0.15	0%	0
031.43	Phosphorus, ICP, Microwave (%)	0027	0.5535	0.0110	0.5463	0.0251	0.0131	33	0.29	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0354	0.5585	0.0030	0.5463	0.0251	0.0131	33	0.49	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0964	0.5585	0.0102	0.5463	0.0251	0.0131	33	0.49	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0098	0.5594	0.0293	0.5463	0.0251	0.0131	33	0.52	1%	0
031.43	Phosphorus, ICP, Microwave (%)	2322	0.5600	0.0200	0.5463	0.0251	0.0131	33	0.55	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0870	0.5618	0.0253	0.5463	0.0251	0.0131	33	0.62	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0875	0.5670	0.0120	0.5463	0.0251	0.0131	33	0.83	2%	0
031.43	Phosphorus, ICP, Microwave (%)	0505	0.5725	0.0090	0.5463	0.0251	0.0131	33	1.05	2%	0
031.43	Phosphorus, ICP, Microwave (%)	0675	0.5750	0.0100	0.5463	0.0251	0.0131	33	1.15	3%	0
031.43	Phosphorus, ICP, Microwave (%)	0407	0.5764	0.0045	0.5463	0.0251	0.0131	33	1.20	3%	0
031.43	Phosphorus, ICP, Microwave (%)	2481	0.5800	0.0200	0.5463	0.0251	0.0131	33	1.35	3%	0
031.43	Phosphorus, ICP, Microwave (%)	0011	0.5900	0.0000	0.5463	0.0251	0.0131	33	1.74	4%	0
031.43	Phosphorus, ICP, Microwave (%)	0089	0.6100	0.0000	0.5463	0.0251	0.0131	33	2.54	6%	0
031.44	Phosphorus, ICP, Dry ash (%)	0066	0.4835	0.0130				2			0
031.44	Phosphorus, ICP, Dry ash (%)	0227	0.5560	0.0100				2			0
031.51	Phosphorus, ICP-MS, Dry ash (%)	2146	0.5050	0.0100				1			0
031.52	Phosphorus, ICP-MS, Open vessel (%)	0154	0.4633	0.0171				2			0
031.52	Phosphorus, ICP-MS, Open vessel (%)	0186	0.4922	0.0119				2			0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs			
031.53	Phosphorus, ICP-MS, Microwave (%)	0553	0.5275	0.0030				3			0
031.53	Phosphorus, ICP-MS, Microwave (%)	0939	0.5500	0.0200				3			0
031.53	Phosphorus, ICP-MS, Microwave (%)	0407	0.5751	0.0011				3			0
031.99	Phosphorus, Miscellaneous (%)	0100	0.5150	0.0100	0.5550	0.0514	0.0100	5			0
031.99	Phosphorus, Miscellaneous (%)	0242	0.5200	0.0000	0.5550	0.0514	0.0100	5			0
031.99	Phosphorus, Miscellaneous (%)	2302	0.5200	0.0000	0.5550	0.0514	0.0100	5			0
031.99	Phosphorus, Miscellaneous (%)	0123	0.5950	0.0100	0.5550	0.0514	0.0100	5			0
031.99	Phosphorus, Miscellaneous (%)	0852	0.6250	0.0100	0.5550	0.0514	0.0100	5			0
031.99	Phosphorus, Miscellaneous (%)	0676	5.150	0.1000	0.5550	0.0514	0.0100	5			1
032.31	Potassium, AAS, Dry ash (%)	2246	0.7890	0.0141	0.8625	0.0643	0.0200	7	-1.14	4%	0
032.31	Potassium, AAS, Dry ash (%)	0563	0.8203	0.0139	0.8625	0.0643	0.0200	7	-0.66	2%	0
032.31	Potassium, AAS, Dry ash (%)	0536	0.8250	0.0100	0.8625	0.0643	0.0200	7	-0.58	2%	0
032.31	Potassium, AAS, Dry ash (%)	2146	0.8450	0.0300	0.8625	0.0643	0.0200	7	-0.27	1%	0
032.31	Potassium, AAS, Dry ash (%)	0948	0.9000	0.0400	0.8625	0.0643	0.0200	7	0.58	2%	0
032.31	Potassium, AAS, Dry ash (%)	2196	0.9200	0.0000	0.8625	0.0643	0.0200	7	0.89	3%	0
032.31	Potassium, AAS, Dry ash (%)	0038	0.9380	0.0120	0.8625	0.0643	0.0200	7	1.17	4%	0
032.31	Potassium, AAS, Dry ash (%)	0656	1.110	0.1800	0.8625	0.0643	0.0200	7	3.85	14%	1
032.32	Potassium, AAS, Open vessel (%)	0169	0.9350	0.0100				1			0
032.33	Potassium, AAS, Microwave (%)	2115	0.9750	0.0100				1			0
032.41	Potassium, ICP, Dry ash (%)	0674	0.7200	0.0000	0.9155	0.0690	0.0305	17	-2.83	11%	0
032.41	Potassium, ICP, Dry ash (%)	0004	0.7750	0.0300	0.9155	0.0690	0.0305	17	-2.04	8%	0
032.41	Potassium, ICP, Dry ash (%)	0066	0.8370	0.0140	0.9155	0.0690	0.0305	17	-1.14	4%	0
032.41	Potassium, ICP, Dry ash (%)	0019	0.8450	0.0300	0.9155	0.0690	0.0305	17	-1.02	4%	0
032.41	Potassium, ICP, Dry ash (%)	0049	0.8900	0.0400	0.9155	0.0690	0.0305	17	-0.37	1%	0
032.41	Potassium, ICP, Dry ash (%)	0229	0.9050	0.0900	0.9155	0.0690	0.0305	17	-0.15	1%	0
032.41	Potassium, ICP, Dry ash (%)	0226	0.9100	0.0000	0.9155	0.0690	0.0305	17	-0.08	0%	0
032.41	Potassium, ICP, Dry ash (%)	0407	0.9131	0.0051	0.9155	0.0690	0.0305	17	-0.04	0%	0
032.41	Potassium, ICP, Dry ash (%)	0413	0.9200	0.0600	0.9155	0.0690	0.0305	17	0.06	0%	0
032.41	Potassium, ICP, Dry ash (%)	0171	0.9330	0.0280	0.9155	0.0690	0.0305	17	0.25	1%	0
032.41	Potassium, ICP, Dry ash (%)	0598	0.9353	0.0088	0.9155	0.0690	0.0305	17	0.29	1%	0
032.41	Potassium, ICP, Dry ash (%)	0358	0.9400	0.0200	0.9155	0.0690	0.0305	17	0.35	1%	0
032.41	Potassium, ICP, Dry ash (%)	0520	0.9517	0.0069	0.9155	0.0690	0.0305	17	0.52	2%	0
032.41	Potassium, ICP, Dry ash (%)	0208	0.9720	0.0460	0.9155	0.0690	0.0305	17	0.82	3%	0
032.41	Potassium, ICP, Dry ash (%)	0144	0.9800	0.0400	0.9155	0.0690	0.0305	17	0.93	4%	0
032.41	Potassium, ICP, Dry ash (%)	0148	0.9930	0.0540	0.9155	0.0690	0.0305	17	1.12	4%	0
032.41	Potassium, ICP, Dry ash (%)	0098	1.015	0.0100	0.9155	0.0690	0.0305	17	1.44	5%	0
032.42	Potassium, ICP, Open vessel (%)	2129	0.7760	0.0060	0.9421	0.0677	0.0147	19	-2.45	9%	0
032.42	Potassium, ICP, Open vessel (%)	0045	0.8145	0.0050	0.9421	0.0677	0.0147	19	-1.88	7%	0
032.42	Potassium, ICP, Open vessel (%)	2433	0.8686	0.0002	0.9421	0.0677	0.0147	19	-1.09	4%	0
032.42	Potassium, ICP, Open vessel (%)	0294	0.8750	0.0100	0.9421	0.0677	0.0147	19	-0.99	4%	0
032.42	Potassium, ICP, Open vessel (%)	0026	0.9020	0.0060	0.9421	0.0677	0.0147	19	-0.59	2%	0
032.42	Potassium, ICP, Open vessel (%)	0366	0.9050	0.0100	0.9421	0.0677	0.0147	19	-0.55	2%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs			
032.42	Potassium, ICP, Open vessel (%)	0870	0.9137	0.0299	0.9421	0.0677	0.0147	19	-0.42	2%	0
032.42	Potassium, ICP, Open vessel (%)	0278	0.9300	0.0000	0.9421	0.0677	0.0147	19	-0.18	1%	0
032.42	Potassium, ICP, Open vessel (%)	0693	0.9350	0.0300	0.9421	0.0677	0.0147	19	-0.10	0%	0
032.42	Potassium, ICP, Open vessel (%)	0009	0.9461	0.0407	0.9421	0.0677	0.0147	19	0.06	0%	0
032.42	Potassium, ICP, Open vessel (%)	0047	0.9600	0.0200	0.9421	0.0677	0.0147	19	0.26	1%	0
032.42	Potassium, ICP, Open vessel (%)	0357	0.9637	0.0153	0.9421	0.0677	0.0147	19	0.32	1%	0
032.42	Potassium, ICP, Open vessel (%)	0263	0.9695	0.0070	0.9421	0.0677	0.0147	19	0.40	1%	0
032.42	Potassium, ICP, Open vessel (%)	0042	0.9930	0.0000	0.9421	0.0677	0.0147	19	0.75	3%	0
032.42	Potassium, ICP, Open vessel (%)	0504	0.9980	0.0440	0.9421	0.0677	0.0147	19	0.83	3%	0
032.42	Potassium, ICP, Open vessel (%)	0202	1.000	0.0000	0.9421	0.0677	0.0147	19	0.86	3%	0
032.42	Potassium, ICP, Open vessel (%)	0186	1.000	0.0083	0.9421	0.0677	0.0147	19	0.86	3%	0
032.42	Potassium, ICP, Open vessel (%)	0190	1.015	0.0100	0.9421	0.0677	0.0147	19	1.08	4%	0
032.42	Potassium, ICP, Open vessel (%)	0726	1.065	0.0100	0.9421	0.0677	0.0147	19	1.82	7%	0
032.42	Potassium, ICP, Open vessel (%)	0692	1.095	0.1100	0.9421	0.0677	0.0147	19	2.26	8%	1
032.43	Potassium, ICP, Microwave (%)	0968	0.8070	0.0080	0.9330	0.0477	0.0172	30	-2.64	7%	0
032.43	Potassium, ICP, Microwave (%)	0083	0.8405	0.0190	0.9330	0.0477	0.0172	30	-1.94	5%	0
032.43	Potassium, ICP, Microwave (%)	0918	0.8640	0.0020	0.9330	0.0477	0.0172	30	-1.45	4%	0
032.43	Potassium, ICP, Microwave (%)	2476	0.8725	0.0210	0.9330	0.0477	0.0172	30	-1.27	3%	0
032.43	Potassium, ICP, Microwave (%)	0038	0.8835	0.0010	0.9330	0.0477	0.0172	30	-1.04	3%	0
032.43	Potassium, ICP, Microwave (%)	0226	0.8900	0.0000	0.9330	0.0477	0.0172	30	-0.90	2%	0
032.43	Potassium, ICP, Microwave (%)	0353	0.8900	0.0200	0.9330	0.0477	0.0172	30	-0.90	2%	0
032.43	Potassium, ICP, Microwave (%)	0610	0.8950	0.0300	0.9330	0.0477	0.0172	30	-0.80	2%	0
032.43	Potassium, ICP, Microwave (%)	0001	0.9015	0.0290	0.9330	0.0477	0.0172	30	-0.66	2%	0
032.43	Potassium, ICP, Microwave (%)	0510	0.9100	0.0000	0.9330	0.0477	0.0172	30	-0.48	1%	0
032.43	Potassium, ICP, Microwave (%)	0297	0.9150	0.0100	0.9330	0.0477	0.0172	30	-0.38	1%	0
032.43	Potassium, ICP, Microwave (%)	0511	0.9300	0.0000	0.9330	0.0477	0.0172	30	-0.06	0%	0
032.43	Potassium, ICP, Microwave (%)	0011	0.9350	0.0100	0.9330	0.0477	0.0172	30	0.04	0%	0
032.43	Potassium, ICP, Microwave (%)	0036	0.9389	0.0151	0.9330	0.0477	0.0172	30	0.12	0%	0
032.43	Potassium, ICP, Microwave (%)	0668	0.9410	0.0360	0.9330	0.0477	0.0172	30	0.17	0%	0
032.43	Potassium, ICP, Microwave (%)	0505	0.9420	0.0260	0.9330	0.0477	0.0172	30	0.19	0%	0
032.43	Potassium, ICP, Microwave (%)	0875	0.9420	0.0060	0.9330	0.0477	0.0172	30	0.19	0%	0
032.43	Potassium, ICP, Microwave (%)	0354	0.9440	0.0120	0.9330	0.0477	0.0172	30	0.23	1%	0
032.43	Potassium, ICP, Microwave (%)	0675	0.9450	0.0100	0.9330	0.0477	0.0172	30	0.25	1%	0
032.43	Potassium, ICP, Microwave (%)	2115	0.9550	0.0100	0.9330	0.0477	0.0172	30	0.46	1%	0
032.43	Potassium, ICP, Microwave (%)	0010	0.9600	0.0400	0.9330	0.0477	0.0172	30	0.57	1%	0
032.43	Potassium, ICP, Microwave (%)	0035	0.9600	0.0000	0.9330	0.0477	0.0172	30	0.57	1%	0
032.43	Potassium, ICP, Microwave (%)	0098	0.9650	0.0100	0.9330	0.0477	0.0172	30	0.67	2%	0
032.43	Potassium, ICP, Microwave (%)	0870	0.9687	0.0330	0.9330	0.0477	0.0172	30	0.75	2%	0
032.43	Potassium, ICP, Microwave (%)	0033	0.9695	0.0810	0.9330	0.0477	0.0172	30	0.77	2%	0
032.43	Potassium, ICP, Microwave (%)	0682	0.9700	0.0000	0.9330	0.0477	0.0172	30	0.78	2%	0
032.43	Potassium, ICP, Microwave (%)	2322	0.9800	0.0020	0.9330	0.0477	0.0172	30	0.99	3%	0
032.43	Potassium, ICP, Microwave (%)	2481	0.9900	0.0000	0.9330	0.0477	0.0172	30	1.20	3%	0

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			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs			
032.43	Potassium, ICP, Microwave (%)	0407	1.006	0.0119	0.9330	0.0477	0.0172	30	1.52	4%	0
032.43	Potassium, ICP, Microwave (%)	0089	1.240	0.0000	0.9330	0.0477	0.0172	30	6.44	16%	0
032.43	Potassium, ICP, Microwave (%)	0964	0.9703	0.1176	0.9330	0.0477	0.0172	30	0.78	2%	1
032.44	Potassium, ICP, Dry ash (%)	0227	1.020	0.0200				1			0
032.51	Potassium, ICP-MS, Dry ash (%)	2146	0.8950	0.0100				1			0
032.52	Potassium, ICP-MS, Open vessel (%)	0154	0.7987	0.1579				3			0
032.52	Potassium, ICP-MS, Open vessel (%)	0186	0.8979	0.0378				3			0
032.52	Potassium, ICP-MS, Open vessel (%)	2319	0.9355	0.0010				3			0
032.53	Potassium, ICP-MS, Microwave (%)	0553	0.8705	0.0210				2			0
032.53	Potassium, ICP-MS, Microwave (%)	0407	1.051	0.0331				2			0
032.99	Potassium, Miscellaneous (%)	0100	0.8750	0.0300	0.8913	0.0119	0.0257	5			0
032.99	Potassium, Miscellaneous (%)	0123	0.8850	0.0300	0.8913	0.0119	0.0257	5			0
032.99	Potassium, Miscellaneous (%)	0001	0.8914	0.0387	0.8913	0.0119	0.0257	5			0
032.99	Potassium, Miscellaneous (%)	0242	0.9000	0.0200	0.8913	0.0119	0.0257	5			0
032.99	Potassium, Miscellaneous (%)	0590	0.9050	0.0100	0.8913	0.0119	0.0257	5			0
033.00	Salt as chloride, Sol Cl (%)	0366	0.3150	0.0100	0.5172	0.0664	0.0323	13	-3.05	20%	0
033.00	Salt as chloride, Sol Cl (%)	0123	0.4600	0.0000	0.5172	0.0664	0.0323	13	-0.86	6%	0
033.00	Salt as chloride, Sol Cl (%)	0504	0.4700	0.0200	0.5172	0.0664	0.0323	13	-0.71	5%	0
033.00	Salt as chloride, Sol Cl (%)	2196	0.4710	0.0000	0.5172	0.0664	0.0323	13	-0.70	4%	0
033.00	Salt as chloride, Sol Cl (%)	0675	0.4850	0.0500	0.5172	0.0664	0.0323	13	-0.49	3%	0
033.00	Salt as chloride, Sol Cl (%)	0045	0.4950	0.0660	0.5172	0.0664	0.0323	13	-0.33	2%	0
033.00	Salt as chloride, Sol Cl (%)	0511	0.5150	0.0300	0.5172	0.0664	0.0323	13	-0.03	0%	0
033.00	Salt as chloride, Sol Cl (%)	0884	0.5150	0.0100	0.5172	0.0664	0.0323	13	-0.03	0%	0
033.00	Salt as chloride, Sol Cl (%)	2009	0.5453	0.0250	0.5172	0.0664	0.0323	13	0.42	3%	0
033.00	Salt as chloride, Sol Cl (%)	2022	0.5600	0.0000	0.5172	0.0664	0.0323	13	0.64	4%	0
033.00	Salt as chloride, Sol Cl (%)	0353	0.5800	0.0200	0.5172	0.0664	0.0323	13	0.95	6%	0
033.00	Salt as chloride, Sol Cl (%)	0539	0.6000	0.0600	0.5172	0.0664	0.0323	13	1.25	8%	0
033.00	Salt as chloride, Sol Cl (%)	0693	0.6100	0.0000	0.5172	0.0664	0.0323	13	1.40	9%	0
033.01	Salt as chloride, Poten Cl (%)	0003	0.5000	0.0000	0.5337	0.0117	0.0100	26	-2.88	3%	0
033.01	Salt as chloride, Poten Cl (%)	0083	0.5150	0.0100	0.5337	0.0117	0.0100	26	-1.60	2%	0
033.01	Salt as chloride, Poten Cl (%)	0964	0.5185	0.0010	0.5337	0.0117	0.0100	26	-1.30	1%	0
033.01	Salt as chloride, Poten Cl (%)	0148	0.5195	0.0170	0.5337	0.0117	0.0100	26	-1.21	1%	0
033.01	Salt as chloride, Poten Cl (%)	0590	0.5225	0.0150	0.5337	0.0117	0.0100	26	-0.95	1%	0
033.01	Salt as chloride, Poten Cl (%)	0354	0.5250	0.0100	0.5337	0.0117	0.0100	26	-0.74	1%	0
033.01	Salt as chloride, Poten Cl (%)	2190	0.5297	0.0054	0.5337	0.0117	0.0100	26	-0.34	0%	0
033.01	Salt as chloride, Poten Cl (%)	0001	0.5300	0.0000	0.5337	0.0117	0.0100	26	-0.31	0%	0
033.01	Salt as chloride, Poten Cl (%)	0004	0.5300	0.0000	0.5337	0.0117	0.0100	26	-0.31	0%	0
033.01	Salt as chloride, Poten Cl (%)	0226	0.5300	0.0200	0.5337	0.0117	0.0100	26	-0.31	0%	0
033.01	Salt as chloride, Poten Cl (%)	0229	0.5300	0.0000	0.5337	0.0117	0.0100	26	-0.31	0%	0
033.01	Salt as chloride, Poten Cl (%)	0510	0.5300	0.0000	0.5337	0.0117	0.0100	26	-0.31	0%	0
033.01	Salt as chloride, Poten Cl (%)	0227	0.5350	0.0100	0.5337	0.0117	0.0100	26	0.12	0%	0
033.01	Salt as chloride, Poten Cl (%)	0242	0.5350	0.0100	0.5337	0.0117	0.0100	26	0.12	0%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs			
033.01	Salt as chloride, Poten Cl (%)	0413	0.5350	0.0100	0.5337	0.0117	0.0100	26	0.12	0%	0
033.01	Salt as chloride, Poten Cl (%)	0939	0.5350	0.0100	0.5337	0.0117	0.0100	26	0.12	0%	0
033.01	Salt as chloride, Poten Cl (%)	2146	0.5350	0.0100	0.5337	0.0117	0.0100	26	0.12	0%	0
033.01	Salt as chloride, Poten Cl (%)	0019	0.5400	0.0000	0.5337	0.0117	0.0100	26	0.54	1%	0
033.01	Salt as chloride, Poten Cl (%)	0098	0.5400	0.0000	0.5337	0.0117	0.0100	26	0.54	1%	0
033.01	Salt as chloride, Poten Cl (%)	0100	0.5400	0.0000	0.5337	0.0117	0.0100	26	0.54	1%	0
033.01	Salt as chloride, Poten Cl (%)	0948	0.5400	0.0000	0.5337	0.0117	0.0100	26	0.54	1%	0
033.01	Salt as chloride, Poten Cl (%)	0407	0.5440	0.0080	0.5337	0.0117	0.0100	26	0.89	1%	0
033.01	Salt as chloride, Poten Cl (%)	2319	0.5450	0.0100	0.5337	0.0117	0.0100	26	0.97	1%	0
033.01	Salt as chloride, Poten Cl (%)	2115	0.5600	0.0000	0.5337	0.0117	0.0100	26	2.26	2%	0
033.01	Salt as chloride, Poten Cl (%)	0186	0.5700	0.0200	0.5337	0.0117	0.0100	26	3.11	3%	0
033.01	Salt as chloride, Poten Cl (%)	0682	0.5900	0.0000	0.5337	0.0117	0.0100	26	4.82	5%	0
033.01	Salt as chloride, Poten Cl (%)	2268	0.5500	0.0600	0.5337	0.0117	0.0100	26	1.40	2%	1
033.01	Salt as chloride, Poten Cl (%)	0278	0.6300	0.0600	0.5337	0.0117	0.0100	26	8.25	9%	1
033.03	Salt as chloride, Quantab (%)	0089	0.4300	0.0000	0.5025	0.0574		4			0
033.03	Salt as chloride, Quantab (%)	0190	0.5000	0.0000	0.5025	0.0574		4			0
033.03	Salt as chloride, Quantab (%)	0505	0.5100	0.0200	0.5025	0.0574		4			0
033.03	Salt as chloride, Quantab (%)	0726	0.5700	0.0000	0.5025	0.0574		4			0
033.03	Salt as chloride, Quantab (%)	2076	0.4900	0.0600	0.5025	0.0574		4			1
033.05	Salt as chloride, Ion Sel Electrode (%)	0171	0.4750	0.0100				3			0
033.05	Salt as chloride, Ion Sel Electrode (%)	0918	0.4800	0.0000				3			0
033.05	Salt as chloride, Ion Sel Electrode (%)	0689	0.5300	0.0400				3			0
033.99	Salt, Miscellaneous (%)	0536	0.3250	0.0100	0.5121	0.0480	0.0245	8	-3.90	18%	0
033.99	Salt, Miscellaneous (%)	0650	0.4850	0.0500	0.5121	0.0480	0.0245	8	-0.57	3%	0
033.99	Salt, Miscellaneous (%)	2476	0.4910	0.0220	0.5121	0.0480	0.0245	8	-0.44	2%	0
033.99	Salt, Miscellaneous (%)	0208	0.4970	0.0180	0.5121	0.0480	0.0245	8	-0.32	1%	0
033.99	Salt, Miscellaneous (%)	0358	0.5250	0.0100	0.5121	0.0480	0.0245	8	0.27	1%	0
033.99	Salt, Miscellaneous (%)	2246	0.5313	0.0552	0.5121	0.0480	0.0245	8	0.40	2%	0
033.99	Salt, Miscellaneous (%)	2129	0.5575	0.0110	0.5121	0.0480	0.0245	8	0.95	4%	0
033.99	Salt, Miscellaneous (%)	2144	0.5700	0.0200	0.5121	0.0480	0.0245	8	1.21	6%	0
034.01	Selenium, Total (Se), Fluor (ppm)	0038	0.4105	0.0150				1			0
034.04	Selenium, Total (Se), AA, Hydride (ppm)	0045	0.2950	0.0220				2			0
034.04	Selenium, Total (Se), AA, Hydride (ppm)	0169	0.3950	0.0100				2			0
034.41	Selenium, Total (Se), ICP, Dry ash (ppm)	0598	0.1655	0.0037				2			0
034.41	Selenium, Total (Se), ICP, Dry ash (ppm)	0148	0.3420	0.0320				2			0
034.42	Selenium, Total (Se), ICP, Open vessel (ppm)	0692	1.125	0.4300				1			0
034.43	Selenium, Total (Se), ICP, Microwave (ppm)	0066	0.3305	0.0170				2			0
034.43	Selenium, Total (Se), ICP, Microwave (ppm)	0278	0.3750	0.0500				2			0
034.43	Selenium, Total (Se), ICP, Microwave (ppm)	2476	0.0000	0.0000				2			4
034.43	Selenium, Total (Se), ICP, Microwave (ppm)	0682	< 5					2			5
034.52	Selenium, Total (Se), ICP-MS, Open vessel (ppm)	0047	0.3450	0.0100				3			0
034.52	Selenium, Total (Se), ICP-MS, Open vessel (ppm)	0208	0.4205	0.0210				3			0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs			
034.52	Selenium, Total (Se), ICP-MS, Open vessel (ppm)	0186	0.7354	0.0236				3			0
034.53	Selenium, Total (Se), ICP-MS, Microwave (ppm)	0553	0.3745	0.0130	0.4111	0.0407	0.0346	6	-0.90	4%	0
034.53	Selenium, Total (Se), ICP-MS, Microwave (ppm)	0009	0.3807	0.0201	0.4111	0.0407	0.0346	6	-0.75	4%	0
034.53	Selenium, Total (Se), ICP-MS, Microwave (ppm)	0227	0.4030	0.0320	0.4111	0.0407	0.0346	6	-0.20	1%	0
034.53	Selenium, Total (Se), ICP-MS, Microwave (ppm)	0033	0.4065	0.0450	0.4111	0.0407	0.0346	6	-0.11	1%	0
034.53	Selenium, Total (Se), ICP-MS, Microwave (ppm)	0610	0.4300	0.0600	0.4111	0.0407	0.0346	6	0.46	2%	0
034.53	Selenium, Total (Se), ICP-MS, Microwave (ppm)	0407	0.5178	0.0373	0.4111	0.0407	0.0346	6	2.62	13%	0
034.99	Selenium, Total (Se), Miscellaneous (ppm)	0190	1.305	0.0100				1			0
035.05	Sodium, Flame Emission (%)	0108	0.2350	0.0100				1			0
035.31	Sodium, AAS, Dry ash (%)	0536	0.1885	0.0010	0.2089	0.0167	0.0006	6	-1.23	5%	0
035.31	Sodium, AAS, Dry ash (%)	0948	0.2000	0.0000	0.2089	0.0167	0.0006	6	-0.54	2%	0
035.31	Sodium, AAS, Dry ash (%)	0563	0.2051	0.0001	0.2089	0.0167	0.0006	6	-0.23	1%	0
035.31	Sodium, AAS, Dry ash (%)	0939	0.2100	0.0000	0.2089	0.0167	0.0006	6	0.06	0%	0
035.31	Sodium, AAS, Dry ash (%)	0656	0.2200	0.0000	0.2089	0.0167	0.0006	6	0.66	3%	0
035.31	Sodium, AAS, Dry ash (%)	2196	0.2300	0.0000	0.2089	0.0167	0.0006	6	1.26	5%	0
035.31	Sodium, AAS, Dry ash (%)	0651	0.2237	0.0411	0.2089	0.0167	0.0006	6	0.88	4%	1
035.33	Sodium, AAS, Microwave (%)	2115	0.2200	0.0000				1			0
035.41	Sodium, ICP, Dry ash (%)	0066	0.1970	0.0060	0.2111	0.0092	0.0066	18	-1.54	3%	0
035.41	Sodium, ICP, Dry ash (%)	0723	0.1972	0.0041	0.2111	0.0092	0.0066	18	-1.52	3%	0
035.41	Sodium, ICP, Dry ash (%)	0004	0.2050	0.0100	0.2111	0.0092	0.0066	18	-0.66	1%	0
035.41	Sodium, ICP, Dry ash (%)	0049	0.2050	0.0100	0.2111	0.0092	0.0066	18	-0.66	1%	0
035.41	Sodium, ICP, Dry ash (%)	0171	0.2050	0.0100	0.2111	0.0092	0.0066	18	-0.66	1%	0
035.41	Sodium, ICP, Dry ash (%)	0358	0.2050	0.0100	0.2111	0.0092	0.0066	18	-0.66	1%	0
035.41	Sodium, ICP, Dry ash (%)	0208	0.2060	0.0060	0.2111	0.0092	0.0066	18	-0.56	1%	0
035.41	Sodium, ICP, Dry ash (%)	0407	0.2080	0.0096	0.2111	0.0092	0.0066	18	-0.34	1%	0
035.41	Sodium, ICP, Dry ash (%)	0598	0.2101	0.0008	0.2111	0.0092	0.0066	18	-0.11	0%	0
035.41	Sodium, ICP, Dry ash (%)	0227	0.2110	0.0000	0.2111	0.0092	0.0066	18	-0.01	0%	0
035.41	Sodium, ICP, Dry ash (%)	0520	0.2148	0.0006	0.2111	0.0092	0.0066	18	0.40	1%	0
035.41	Sodium, ICP, Dry ash (%)	0229	0.2150	0.0100	0.2111	0.0092	0.0066	18	0.42	1%	0
035.41	Sodium, ICP, Dry ash (%)	2482	0.2160	0.0023	0.2111	0.0092	0.0066	18	0.53	1%	0
035.41	Sodium, ICP, Dry ash (%)	0148	0.2195	0.0070	0.2111	0.0092	0.0066	18	0.91	2%	0
035.41	Sodium, ICP, Dry ash (%)	0098	0.2200	0.0000	0.2111	0.0092	0.0066	18	0.97	2%	0
035.41	Sodium, ICP, Dry ash (%)	0144	0.2200	0.0000	0.2111	0.0092	0.0066	18	0.97	2%	0
035.41	Sodium, ICP, Dry ash (%)	0226	0.2200	0.0000	0.2111	0.0092	0.0066	18	0.97	2%	0
035.41	Sodium, ICP, Dry ash (%)	0413	0.2300	0.0000	0.2111	0.0092	0.0066	18	2.06	4%	0
035.42	Sodium, ICP, Open vessel (%)	0045	0.1760	0.0060	0.2100	0.0155	0.0072	18	-2.19	8%	0
035.42	Sodium, ICP, Open vessel (%)	2129	0.1865	0.0030	0.2100	0.0155	0.0072	18	-1.52	6%	0
035.42	Sodium, ICP, Open vessel (%)	0294	0.1950	0.0100	0.2100	0.0155	0.0072	18	-0.97	4%	0
035.42	Sodium, ICP, Open vessel (%)	0870	0.1994	0.0063	0.2100	0.0155	0.0072	18	-0.69	3%	0
035.42	Sodium, ICP, Open vessel (%)	0366	0.2010	0.0080	0.2100	0.0155	0.0072	18	-0.58	2%	0
035.42	Sodium, ICP, Open vessel (%)	2433	0.2037	0.0124	0.2100	0.0155	0.0072	18	-0.41	2%	0
035.42	Sodium, ICP, Open vessel (%)	0278	0.2050	0.0100	0.2100	0.0155	0.0072	18	-0.33	1%	0

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			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs			
035.42	Sodium, ICP, Open vessel (%)	0693	0.2060	0.0060	0.2100	0.0155	0.0072	18	-0.26	1%	0
035.42	Sodium, ICP, Open vessel (%)	0263	0.2090	0.0000	0.2100	0.0155	0.0072	18	-0.07	0%	0
035.42	Sodium, ICP, Open vessel (%)	2319	0.2105	0.0010	0.2100	0.0155	0.0072	18	0.03	0%	0
035.42	Sodium, ICP, Open vessel (%)	0357	0.2117	0.0028	0.2100	0.0155	0.0072	18	0.11	0%	0
035.42	Sodium, ICP, Open vessel (%)	0190	0.2150	0.0100	0.2100	0.0155	0.0072	18	0.32	1%	0
035.42	Sodium, ICP, Open vessel (%)	0504	0.2150	0.0100	0.2100	0.0155	0.0072	18	0.32	1%	0
035.42	Sodium, ICP, Open vessel (%)	0726	0.2200	0.0000	0.2100	0.0155	0.0072	18	0.64	2%	0
035.42	Sodium, ICP, Open vessel (%)	0186	0.2271	0.0028	0.2100	0.0155	0.0072	18	1.10	4%	0
035.42	Sodium, ICP, Open vessel (%)	0202	0.2290	0.0100	0.2100	0.0155	0.0072	18	1.22	5%	0
035.42	Sodium, ICP, Open vessel (%)	0042	0.2300	0.0100	0.2100	0.0155	0.0072	18	1.28	5%	0
035.42	Sodium, ICP, Open vessel (%)	0692	0.2300	0.0000	0.2100	0.0155	0.0072	18	1.28	5%	0
035.43	Sodium, ICP, Microwave (%)	2322	0.1800	0.0020	0.2082	0.0120	0.0057	27	-2.34	7%	0
035.43	Sodium, ICP, Microwave (%)	0511	0.1900	0.0000	0.2082	0.0120	0.0057	27	-1.51	4%	0
035.43	Sodium, ICP, Microwave (%)	2476	0.1930	0.0080	0.2082	0.0120	0.0057	27	-1.26	4%	0
035.43	Sodium, ICP, Microwave (%)	0918	0.1935	0.0030	0.2082	0.0120	0.0057	27	-1.22	4%	0
035.43	Sodium, ICP, Microwave (%)	0083	0.1960	0.0000	0.2082	0.0120	0.0057	27	-1.01	3%	0
035.43	Sodium, ICP, Microwave (%)	0353	0.1984	0.0015	0.2082	0.0120	0.0057	27	-0.82	2%	0
035.43	Sodium, ICP, Microwave (%)	0682	0.2000	0.0000	0.2082	0.0120	0.0057	27	-0.68	2%	0
035.43	Sodium, ICP, Microwave (%)	0964	0.2020	0.0013	0.2082	0.0120	0.0057	27	-0.52	1%	0
035.43	Sodium, ICP, Microwave (%)	0875	0.2030	0.0020	0.2082	0.0120	0.0057	27	-0.43	1%	0
035.43	Sodium, ICP, Microwave (%)	0001	0.2050	0.0000	0.2082	0.0120	0.0057	27	-0.27	1%	0
035.43	Sodium, ICP, Microwave (%)	0226	0.2050	0.0100	0.2082	0.0120	0.0057	27	-0.27	1%	0
035.43	Sodium, ICP, Microwave (%)	0297	0.2050	0.0100	0.2082	0.0120	0.0057	27	-0.27	1%	0
035.43	Sodium, ICP, Microwave (%)	0668	0.2060	0.0100	0.2082	0.0120	0.0057	27	-0.18	1%	0
035.43	Sodium, ICP, Microwave (%)	0033	0.2095	0.0130	0.2082	0.0120	0.0057	27	0.11	0%	0
035.43	Sodium, ICP, Microwave (%)	2115	0.2100	0.0000	0.2082	0.0120	0.0057	27	0.15	0%	0
035.43	Sodium, ICP, Microwave (%)	0968	0.2105	0.0010	0.2082	0.0120	0.0057	27	0.19	1%	0
035.43	Sodium, ICP, Microwave (%)	0505	0.2135	0.0050	0.2082	0.0120	0.0057	27	0.44	1%	0
035.43	Sodium, ICP, Microwave (%)	0870	0.2137	0.0071	0.2082	0.0120	0.0057	27	0.45	1%	0
035.43	Sodium, ICP, Microwave (%)	0610	0.2150	0.0100	0.2082	0.0120	0.0057	27	0.57	2%	0
035.43	Sodium, ICP, Microwave (%)	0675	0.2150	0.0100	0.2082	0.0120	0.0057	27	0.57	2%	0
035.43	Sodium, ICP, Microwave (%)	2481	0.2150	0.0100	0.2082	0.0120	0.0057	27	0.57	2%	0
035.43	Sodium, ICP, Microwave (%)	0354	0.2170	0.0040	0.2082	0.0120	0.0057	27	0.73	2%	0
035.43	Sodium, ICP, Microwave (%)	0035	0.2200	0.0000	0.2082	0.0120	0.0057	27	0.98	3%	0
035.43	Sodium, ICP, Microwave (%)	0098	0.2200	0.0000	0.2082	0.0120	0.0057	27	0.98	3%	0
035.43	Sodium, ICP, Microwave (%)	0407	0.2225	0.0018	0.2082	0.0120	0.0057	27	1.19	3%	0
035.43	Sodium, ICP, Microwave (%)	0038	0.2310	0.0040	0.2082	0.0120	0.0057	27	1.89	5%	0
035.43	Sodium, ICP, Microwave (%)	0510	0.2315	0.0010	0.2082	0.0120	0.0057	27	1.94	6%	0
035.43	Sodium, ICP, Microwave (%)	0089	0.3350	0.0100	0.2082	0.0120	0.0057	27	10.53	30%	2
035.52	Sodium, ICP-MS, Open vessel (%)	0154	0.1884	0.0144				2			0
035.52	Sodium, ICP-MS, Open vessel (%)	0186	0.2099	0.0093				2			0
035.53	Sodium, ICP-MS, Microwave (%)	0553	0.1975	0.0090				3			0

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			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs			
035.53	Sodium, ICP-MS, Microwave (%)	0939	0.2050	0.0100				3			0
035.53	Sodium, ICP-MS, Microwave (%)	0407	0.2261	0.0047				3			0
035.99	Sodium, Miscellaneous (%)	2302	0.1800	0.0200	0.2069	0.0263	0.0200	6	-1.02	6%	0
035.99	Sodium, Miscellaneous (%)	0242	0.1950	0.0100	0.2069	0.0263	0.0200	6	-0.45	3%	0
035.99	Sodium, Miscellaneous (%)	0100	0.2000	0.0000	0.2069	0.0263	0.0200	6	-0.26	2%	0
035.99	Sodium, Miscellaneous (%)	0123	0.2000	0.0000	0.2069	0.0263	0.0200	6	-0.26	2%	0
035.99	Sodium, Miscellaneous (%)	0590	0.2200	0.0000	0.2069	0.0263	0.0200	6	0.50	3%	0
035.99	Sodium, Miscellaneous (%)	0852	0.6450	0.0300	0.2069	0.0263	0.0200	6	16.68	106%	0
036.00	Sulfur, Gravimetric (%)	0038	0.2565	0.0170				1			0
036.04	Sulfur, LECO (%)	0948	0.2505	0.0030	0.2706	0.0185	0.0050	5			0
036.04	Sulfur, LECO (%)	0148	0.2540	0.0020	0.2706	0.0185	0.0050	5			0
036.04	Sulfur, LECO (%)	0001	0.2735	0.0050	0.2706	0.0185	0.0050	5			0
036.04	Sulfur, LECO (%)	0226	0.2800	0.0000	0.2706	0.0185	0.0050	5			0
036.04	Sulfur, LECO (%)	0229	0.2950	0.0100	0.2706	0.0185	0.0050	5			0
036.42	Sulfur, ICP, Open vessel (%)	0692	0.2350	0.0100	0.2581	0.0159	0.0072	17	-1.46	4%	0
036.42	Sulfur, ICP, Open vessel (%)	0366	0.2400	0.0000	0.2581	0.0159	0.0072	17	-1.14	4%	0
036.42	Sulfur, ICP, Open vessel (%)	0045	0.2410	0.0060	0.2581	0.0159	0.0072	17	-1.08	3%	0
036.42	Sulfur, ICP, Open vessel (%)	2129	0.2445	0.0110	0.2581	0.0159	0.0072	17	-0.86	3%	0
036.42	Sulfur, ICP, Open vessel (%)	0294	0.2450	0.0100	0.2581	0.0159	0.0072	17	-0.83	3%	0
036.42	Sulfur, ICP, Open vessel (%)	0171	0.2515	0.0030	0.2581	0.0159	0.0072	17	-0.42	1%	0
036.42	Sulfur, ICP, Open vessel (%)	0407	0.2515	0.0004	0.2581	0.0159	0.0072	17	-0.42	1%	0
036.42	Sulfur, ICP, Open vessel (%)	0870	0.2543	0.0028	0.2581	0.0159	0.0072	17	-0.24	1%	0
036.42	Sulfur, ICP, Open vessel (%)	0693	0.2600	0.0000	0.2581	0.0159	0.0072	17	0.12	0%	0
036.42	Sulfur, ICP, Open vessel (%)	0227	0.2650	0.0100	0.2581	0.0159	0.0072	17	0.43	1%	0
036.42	Sulfur, ICP, Open vessel (%)	0726	0.2650	0.0100	0.2581	0.0159	0.0072	17	0.43	1%	0
036.42	Sulfur, ICP, Open vessel (%)	0357	0.2671	0.0001	0.2581	0.0159	0.0072	17	0.56	2%	0
036.42	Sulfur, ICP, Open vessel (%)	0042	0.2690	0.0120	0.2581	0.0159	0.0072	17	0.68	2%	0
036.42	Sulfur, ICP, Open vessel (%)	0186	0.2700	0.0072	0.2581	0.0159	0.0072	17	0.75	2%	0
036.42	Sulfur, ICP, Open vessel (%)	0278	0.2700	0.0200	0.2581	0.0159	0.0072	17	0.75	2%	0
036.42	Sulfur, ICP, Open vessel (%)	0202	0.2795	0.0030	0.2581	0.0159	0.0072	17	1.35	4%	0
036.42	Sulfur, ICP, Open vessel (%)	0190	0.2800	0.0000	0.2581	0.0159	0.0072	17	1.38	4%	0
036.43	Sulfur, ICP, Microwave (%)	0083	0.2450	0.0080	0.2651	0.0172	0.0070	20	-1.17	4%	0
036.43	Sulfur, ICP, Microwave (%)	0297	0.2450	0.0100	0.2651	0.0172	0.0070	20	-1.17	4%	0
036.43	Sulfur, ICP, Microwave (%)	0407	0.2455	0.0027	0.2651	0.0172	0.0070	20	-1.14	4%	0
036.43	Sulfur, ICP, Microwave (%)	0505	0.2470	0.0020	0.2651	0.0172	0.0070	20	-1.05	3%	0
036.43	Sulfur, ICP, Microwave (%)	0038	0.2500	0.0060	0.2651	0.0172	0.0070	20	-0.88	3%	0
036.43	Sulfur, ICP, Microwave (%)	0353	0.2500	0.0000	0.2651	0.0172	0.0070	20	-0.88	3%	0
036.43	Sulfur, ICP, Microwave (%)	2476	0.2500	0.0060	0.2651	0.0172	0.0070	20	-0.88	3%	0
036.43	Sulfur, ICP, Microwave (%)	0918	0.2625	0.0010	0.2651	0.0172	0.0070	20	-0.15	0%	0
036.43	Sulfur, ICP, Microwave (%)	0964	0.2639	0.0082	0.2651	0.0172	0.0070	20	-0.07	0%	0
036.43	Sulfur, ICP, Microwave (%)	0968	0.2680	0.0040	0.2651	0.0172	0.0070	20	0.17	1%	0
036.43	Sulfur, ICP, Microwave (%)	0001	0.2685	0.0090	0.2651	0.0172	0.0070	20	0.20	1%	0

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			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs			
036.43	Sulfur, ICP, Microwave (%)	0226	0.2700	0.0000	0.2651	0.0172	0.0070	20	0.28	1%	0
036.43	Sulfur, ICP, Microwave (%)	0510	0.2700	0.0000	0.2651	0.0172	0.0070	20	0.28	1%	0
036.43	Sulfur, ICP, Microwave (%)	0668	0.2710	0.0040	0.2651	0.0172	0.0070	20	0.34	1%	0
036.43	Sulfur, ICP, Microwave (%)	0035	0.2750	0.0100	0.2651	0.0172	0.0070	20	0.57	2%	0
036.43	Sulfur, ICP, Microwave (%)	0870	0.2797	0.0123	0.2651	0.0172	0.0070	20	0.84	3%	0
036.43	Sulfur, ICP, Microwave (%)	2481	0.2800	0.0000	0.2651	0.0172	0.0070	20	0.86	3%	0
036.43	Sulfur, ICP, Microwave (%)	0098	0.2807	0.0117	0.2651	0.0172	0.0070	20	0.90	3%	0
036.43	Sulfur, ICP, Microwave (%)	0682	0.2900	0.0000	0.2651	0.0172	0.0070	20	1.44	5%	0
036.43	Sulfur, ICP, Microwave (%)	0169	0.2950	0.0100	0.2651	0.0172	0.0070	20	1.74	6%	0
036.52	Sulfur, ICP-MS, Open vessel (%)	0186	0.2406	0.0017				1			0
036.53	Sulfur, ICP-MS, Microwave (%)	0553	0.2305	0.0190				1			0
036.99	Sulfur, Miscellaneous (%)	2302	0.2300	0.0400				3			0
036.99	Sulfur, Miscellaneous (%)	0242	0.2300	0.0000				3			0
036.99	Sulfur, Miscellaneous (%)	0123	0.2550	0.0100				3			0
037.31	Zinc, AAS, Dry ash (ppm)	2188	125.8	1.172	137.2	7.983	3.661	10	-1.42	4%	0
037.31	Zinc, AAS, Dry ash (ppm)	2246	127.8	3.530	137.2	7.983	3.661	10	-1.17	3%	0
037.31	Zinc, AAS, Dry ash (ppm)	0939	133.4	1.100	137.2	7.983	3.661	10	-0.48	1%	0
037.31	Zinc, AAS, Dry ash (ppm)	0563	134.5	6.970	137.2	7.983	3.661	10	-0.33	1%	0
037.31	Zinc, AAS, Dry ash (ppm)	0651	137.3	3.272	137.2	7.983	3.661	10	0.02	0%	0
037.31	Zinc, AAS, Dry ash (ppm)	2196	139.5	0.0000	137.2	7.983	3.661	10	0.29	1%	0
037.31	Zinc, AAS, Dry ash (ppm)	0656	140.2	0.0000	137.2	7.983	3.661	10	0.38	1%	0
037.31	Zinc, AAS, Dry ash (ppm)	0001	141.1	1.500	137.2	7.983	3.661	10	0.49	1%	0
037.31	Zinc, AAS, Dry ash (ppm)	0948	143.0	13.55	137.2	7.983	3.661	10	0.74	2%	0
037.31	Zinc, AAS, Dry ash (ppm)	0689	165.2	3.600	137.2	7.983	3.661	10	3.51	10%	0
037.33	Zinc, AAS, Microwave (ppm)	2115	129.6	6.430				1			0
037.41	Zinc, ICP, Dry ash (ppm)	0848	122.1	0.5500	135.8	7.312	3.324	17	-1.87	5%	0
037.41	Zinc, ICP, Dry ash (ppm)	0208	127.7	7.000	135.8	7.312	3.324	17	-1.10	3%	0
037.41	Zinc, ICP, Dry ash (ppm)	0358	128.2	1.220	135.8	7.312	3.324	17	-1.04	3%	0
037.41	Zinc, ICP, Dry ash (ppm)	0598	128.2	0.0205	135.8	7.312	3.324	17	-1.04	3%	0
037.41	Zinc, ICP, Dry ash (ppm)	0171	132.0	2.000	135.8	7.312	3.324	17	-0.52	1%	0
037.41	Zinc, ICP, Dry ash (ppm)	0723	132.6	0.1500	135.8	7.312	3.324	17	-0.43	1%	0
037.41	Zinc, ICP, Dry ash (ppm)	0520	134.2	5.457	135.8	7.312	3.324	17	-0.22	1%	0
037.41	Zinc, ICP, Dry ash (ppm)	0674	135.5	0.0000	135.8	7.312	3.324	17	-0.04	0%	0
037.41	Zinc, ICP, Dry ash (ppm)	0049	135.9	5.530	135.8	7.312	3.324	17	0.01	0%	0
037.41	Zinc, ICP, Dry ash (ppm)	0226	136.7	7.270	135.8	7.312	3.324	17	0.12	0%	0
037.41	Zinc, ICP, Dry ash (ppm)	0407	137.4	5.056	135.8	7.312	3.324	17	0.23	1%	0
037.41	Zinc, ICP, Dry ash (ppm)	0019	138.5	1.250	135.8	7.312	3.324	17	0.37	1%	0
037.41	Zinc, ICP, Dry ash (ppm)	2259	140.2	3.400	135.8	7.312	3.324	17	0.61	2%	0
037.41	Zinc, ICP, Dry ash (ppm)	0004	140.4	2.090	135.8	7.312	3.324	17	0.64	2%	0
037.41	Zinc, ICP, Dry ash (ppm)	0148	142.4	7.091	135.8	7.312	3.324	17	0.91	2%	0
037.41	Zinc, ICP, Dry ash (ppm)	0229	147.2	0.8000	135.8	7.312	3.324	17	1.56	4%	0
037.41	Zinc, ICP, Dry ash (ppm)	0098	149.2	4.300	135.8	7.312	3.324	17	1.83	5%	0

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			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs			
037.42	Zinc, ICP, Open vessel (ppm)	0009	101.5	9.000	134.3	14.40	4.533	21	-2.28	12%	0
037.42	Zinc, ICP, Open vessel (ppm)	2129	114.4	0.1000	134.3	14.40	4.533	21	-1.38	7%	0
037.42	Zinc, ICP, Open vessel (ppm)	0186	118.7	0.0100	134.3	14.40	4.533	21	-1.09	6%	0
037.42	Zinc, ICP, Open vessel (ppm)	0870	119.8	1.100	134.3	14.40	4.533	21	-1.01	5%	0
037.42	Zinc, ICP, Open vessel (ppm)	0045	126.5	5.000	134.3	14.40	4.533	21	-0.54	3%	0
037.42	Zinc, ICP, Open vessel (ppm)	0263	128.8	0.2600	134.3	14.40	4.533	21	-0.38	2%	0
037.42	Zinc, ICP, Open vessel (ppm)	2433	129.7	6.959	134.3	14.40	4.533	21	-0.32	2%	0
037.42	Zinc, ICP, Open vessel (ppm)	0278	129.9	5.000	134.3	14.40	4.533	21	-0.30	2%	0
037.42	Zinc, ICP, Open vessel (ppm)	0692	130.5	5.000	134.3	14.40	4.533	21	-0.26	1%	0
037.42	Zinc, ICP, Open vessel (ppm)	0366	132.0	4.000	134.3	14.40	4.533	21	-0.16	1%	0
037.42	Zinc, ICP, Open vessel (ppm)	0294	133.3	5.420	134.3	14.40	4.533	21	-0.07	0%	0
037.42	Zinc, ICP, Open vessel (ppm)	0726	134.0	4.700	134.3	14.40	4.533	21	-0.02	0%	0
037.42	Zinc, ICP, Open vessel (ppm)	2319	135.0	4.000	134.3	14.40	4.533	21	0.05	0%	0
037.42	Zinc, ICP, Open vessel (ppm)	0357	137.2	1.489	134.3	14.40	4.533	21	0.20	1%	0
037.42	Zinc, ICP, Open vessel (ppm)	0693	137.5	1.000	134.3	14.40	4.533	21	0.22	1%	0
037.42	Zinc, ICP, Open vessel (ppm)	0202	139.5	1.000	134.3	14.40	4.533	21	0.36	2%	0
037.42	Zinc, ICP, Open vessel (ppm)	0413	144.9	11.31	134.3	14.40	4.533	21	0.73	4%	0
037.42	Zinc, ICP, Open vessel (ppm)	0190	148.3	0.1800	134.3	14.40	4.533	21	0.97	5%	0
037.42	Zinc, ICP, Open vessel (ppm)	0504	160.5	17.00	134.3	14.40	4.533	21	1.82	10%	0
037.42	Zinc, ICP, Open vessel (ppm)	0026	167.6	23.17	134.3	14.40	4.533	21	2.31	12%	0
037.42	Zinc, ICP, Open vessel (ppm)	0042	168.0	8.000	134.3	14.40	4.533	21	2.34	13%	0
037.43	Zinc, ICP, Microwave (ppm)	0511	117.5	7.000	137.6	10.46	3.651	30	-1.92	7%	0
037.43	Zinc, ICP, Microwave (ppm)	0083	123.9	1.100	137.6	10.46	3.651	30	-1.32	5%	0
037.43	Zinc, ICP, Microwave (ppm)	2476	125.9	2.400	137.6	10.46	3.651	30	-1.12	4%	0
037.43	Zinc, ICP, Microwave (ppm)	0354	127.7	0.9800	137.6	10.46	3.651	30	-0.95	4%	0
037.43	Zinc, ICP, Microwave (ppm)	2115	127.8	0.4800	137.6	10.46	3.651	30	-0.94	4%	0
037.43	Zinc, ICP, Microwave (ppm)	0964	128.5	13.00	137.6	10.46	3.651	30	-0.87	3%	0
037.43	Zinc, ICP, Microwave (ppm)	0918	129.1	6.920	137.6	10.46	3.651	30	-0.81	3%	0
037.43	Zinc, ICP, Microwave (ppm)	0968	129.1	0.3230	137.6	10.46	3.651	30	-0.81	3%	0
037.43	Zinc, ICP, Microwave (ppm)	0675	131.4	1.450	137.6	10.46	3.651	30	-0.59	2%	0
037.43	Zinc, ICP, Microwave (ppm)	0870	132.5	7.300	137.6	10.46	3.651	30	-0.49	2%	0
037.43	Zinc, ICP, Microwave (ppm)	0001	133.0	0.0000	137.6	10.46	3.651	30	-0.44	2%	0
037.43	Zinc, ICP, Microwave (ppm)	0010	133.0	2.000	137.6	10.46	3.651	30	-0.44	2%	0
037.43	Zinc, ICP, Microwave (ppm)	0510	133.0	0.0000	137.6	10.46	3.651	30	-0.44	2%	0
037.43	Zinc, ICP, Microwave (ppm)	0169	135.0	2.000	137.6	10.46	3.651	30	-0.25	1%	0
037.43	Zinc, ICP, Microwave (ppm)	0848	136.0	0.9200	137.6	10.46	3.651	30	-0.16	1%	0
037.43	Zinc, ICP, Microwave (ppm)	0875	136.0	0.0000	137.6	10.46	3.651	30	-0.15	1%	0
037.43	Zinc, ICP, Microwave (ppm)	0682	136.2	0.0000	137.6	10.46	3.651	30	-0.13	1%	0
037.43	Zinc, ICP, Microwave (ppm)	0226	140.3	9.850	137.6	10.46	3.651	30	0.26	1%	0
037.43	Zinc, ICP, Microwave (ppm)	0033	142.5	5.000	137.6	10.46	3.651	30	0.47	2%	0
037.43	Zinc, ICP, Microwave (ppm)	0297	142.5	3.000	137.6	10.46	3.651	30	0.47	2%	0
037.43	Zinc, ICP, Microwave (ppm)	0610	143.5	6.000	137.6	10.46	3.651	30	0.56	2%	0

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037.43	Zinc, ICP, Microwave (ppm)	0505	143.6	2.100	137.6	10.46	3.651	30	0.57	2%	0
037.43	Zinc, ICP, Microwave (ppm)	0353	145.2	7.600	137.6	10.46	3.651	30	0.73	3%	0
037.43	Zinc, ICP, Microwave (ppm)	0035	146.0	0.6000	137.6	10.46	3.651	30	0.80	3%	0
037.43	Zinc, ICP, Microwave (ppm)	0038	147.0	4.000	137.6	10.46	3.651	30	0.90	3%	0
037.43	Zinc, ICP, Microwave (ppm)	0407	148.2	4.257	137.6	10.46	3.651	30	1.01	4%	0
037.43	Zinc, ICP, Microwave (ppm)	0027	151.0	6.944	137.6	10.46	3.651	30	1.28	5%	0
037.43	Zinc, ICP, Microwave (ppm)	0098	152.0	4.800	137.6	10.46	3.651	30	1.38	5%	0
037.43	Zinc, ICP, Microwave (ppm)	2481	159.1	0.6200	137.6	10.46	3.651	30	2.05	8%	0
037.43	Zinc, ICP, Microwave (ppm)	2322	168.9	0.0400	137.6	10.46	3.651	30	2.99	11%	0
037.44	Zinc, ICP, Dry ash (ppm)	0066	108.2	2.800				2			0
037.44	Zinc, ICP, Dry ash (ppm)	0227	139.0	4.000				2			0
037.52	Zinc, ICP-MS, Open vessel (ppm)	0047	110.7	2.420				2			0
037.52	Zinc, ICP-MS, Open vessel (ppm)	0186	138.2	0.1700				2			0
037.53	Zinc, ICP-MS, Microwave (ppm)	0939	130.5	3.000				3			0
037.53	Zinc, ICP-MS, Microwave (ppm)	0553	133.5	9.000				3			0
037.53	Zinc, ICP-MS, Microwave (ppm)	0407	143.4	3.099				3			0
037.99	Zinc, Miscellaneous (ppm)	0242	129.0	0.0000	143.2	20.97	6.343	5			0
037.99	Zinc, Miscellaneous (ppm)	0590	129.0	2.000	143.2	20.97	6.343	5			0
037.99	Zinc, Miscellaneous (ppm)	0123	135.0	12.00	143.2	20.97	6.343	5			0
037.99	Zinc, Miscellaneous (ppm)	0100	144.0	10.00	143.2	20.97	6.343	5			0
037.99	Zinc, Miscellaneous (ppm)	2302	179.1	1.370	143.2	20.97	6.343	5			0
038.41	Molybdenum, ICP, Dry ash (ppm)	0226	0.8350	0.0300				2			0
038.41	Molybdenum, ICP, Dry ash (ppm)	0407	0.9745	0.0796				2			0
038.42	Molybdenum, ICP, Open vessel (ppm)	0278	1.055	0.2300	1.217	0.1889	0.2007	4			0
038.42	Molybdenum, ICP, Open vessel (ppm)	0045	1.069	0.2620	1.217	0.1889	0.2007	4			0
038.42	Molybdenum, ICP, Open vessel (ppm)	0366	1.300	0.0000	1.217	0.1889	0.2007	4			0
038.42	Molybdenum, ICP, Open vessel (ppm)	0692	1.445	0.1100	1.217	0.1889	0.2007	4			0
038.42	Molybdenum, ICP, Open vessel (ppm)	0202	1.730	1.080	1.217	0.1889	0.2007	4			1
038.43	Molybdenum, ICP, Microwave (ppm)	0353	0.7126	0.1149	1.122	0.3361	0.1415	8	-1.22	18%	0
038.43	Molybdenum, ICP, Microwave (ppm)	0038	0.7665	0.2030	1.122	0.3361	0.1415	8	-1.06	16%	0
038.43	Molybdenum, ICP, Microwave (ppm)	0083	1.023	0.0610	1.122	0.3361	0.1415	8	-0.30	4%	0
038.43	Molybdenum, ICP, Microwave (ppm)	0964	1.045	0.0700	1.122	0.3361	0.1415	8	-0.23	3%	0
038.43	Molybdenum, ICP, Microwave (ppm)	0407	1.235	0.2328	1.122	0.3361	0.1415	8	0.34	5%	0
038.43	Molybdenum, ICP, Microwave (ppm)	0297	1.250	0.1000	1.122	0.3361	0.1415	8	0.38	6%	0
038.43	Molybdenum, ICP, Microwave (ppm)	0510	1.350	0.1000	1.122	0.3361	0.1415	8	0.68	10%	0
038.43	Molybdenum, ICP, Microwave (ppm)	2476	1.595	0.2500	1.122	0.3361	0.1415	8	1.41	21%	0
038.52	Molybdenum, ICP-MS, Open vessel (ppm)	0186	0.9110	0.0082				1			0
038.53	Molybdenum, ICP-MS, Microwave (ppm)	0553	1.075	0.0300				3			0
038.53	Molybdenum, ICP-MS, Microwave (ppm)	0227	1.230	0.0400				3			0
038.53	Molybdenum, ICP-MS, Microwave (ppm)	0407	1.268	0.0843				3			0
038.99	Molybdenum, Miscellaneous (ppm)	0123	1.410	0.3800				1			0
040.43	Barium, ICP, Microwave (ppm)	2481	11.36	0.2500				1			0

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040.53	Barium, ICP-MS, Microwave (ppm)	0407	11.29	0.6684				1			0
041.53	Vanadium, ICP-MS, Microwave (ppm)	0553	0.4350	0.0100				2			0
041.53	Vanadium, ICP-MS, Microwave (ppm)	0407	0.5240	0.0642				2			0
042.00	Chloride, Titrimetric (%)	0226	0.3250	0.0100				3			0
042.00	Chloride, Titrimetric (%)	0948	0.3300	0.0000				3			0
042.00	Chloride, Titrimetric (%)	2129	0.3385	0.0070				3			0
042.00	Chloride, Titrimetric (%)	2199	0.4300	0.1600				3			2
042.01	Chloride, Ion-selective electrode (%)	2433	0.3099	0.0146				1			0
042.99	Chloride, Miscellaneous (%)	2302	0.3150	0.0300				2			0
042.99	Chloride, Miscellaneous (%)	0297	0.4550	0.0300				2			0
101.99	Choline Chloride, Miscellaneous (ppm)	0227	1,540	80.00				1			0
102.01	Niacin, Microbiological (ppm)	0227	86.05	3.900				1			0
102.02	Niacin, LC (ppm)	2319	40.75	19.70				1			0
103.01	Pantothenic Acid, Microbiological (ppm)	0227	25.95	1.300				1			0
104.00	Riboflavin, Fluorometric (ppm)	0227	9.500	0.3600				1			0
104.03	Riboflavin, LC (ppm)	2319	7.780	0.3600				1			0
105.00	Thiamine, LC (ppm)	2319	2.250	0.1000				1			0
105.01	Thiamine, Fluorometer (ppm)	0227	5.150	0.3000				1			0
106.01	Vitamin A, UV (KU / kg)	0098	4.730	3.840				1			0
106.02	Vitamin A, LC (KU / kg)	0870	2.461	0.6069	4.056	1.418	0.4462	8	-1.12	20%	0
106.02	Vitamin A, LC (KU / kg)	0036	3.050	0.1000	4.056	1.418	0.4462	8	-0.71	12%	0
106.02	Vitamin A, LC (KU / kg)	0148	3.188	0.5840	4.056	1.418	0.4462	8	-0.61	11%	0
106.02	Vitamin A, LC (KU / kg)	2319	3.625	0.0100	4.056	1.418	0.4462	8	-0.30	5%	0
106.02	Vitamin A, LC (KU / kg)	0208	4.045	0.9040	4.056	1.418	0.4462	8	-0.01	0%	0
106.02	Vitamin A, LC (KU / kg)	0610	4.450	0.7000	4.056	1.418	0.4462	8	0.28	5%	0
106.02	Vitamin A, LC (KU / kg)	0038	5.590	0.5000	4.056	1.418	0.4462	8	1.08	19%	0
106.02	Vitamin A, LC (KU / kg)	0563	6.043	0.1645	4.056	1.418	0.4462	8	1.40	24%	0
106.02	Vitamin A, LC (KU / kg)	2302	0.0000	0.0000	4.056	1.418	0.4462	8			4
106.03		0581	3.075	0.0300				1			0
107.00	Vitamin B12, Microbiological (ppb)	0227	45.10	5.000				1			0
107.99	Vitamin B12, Miscellaneous (ppb)	2319	< 20					0			5
108.02	Vitamin D3, LC (KU / kg)	2319	0.6550	0.2300				3			0
108.02	Vitamin D3, LC (KU / kg)	0870	0.8460	0.0120				3			0
108.02	Vitamin D3, LC (KU / kg)	0148	0.8698	0.0700				3			0
108.02	Vitamin D3, LC (KU / kg)	2302	0.0000	0.0000				3			4
108.99	Vitamin D3, Miscellaneous (KU / kg)	0010	0.7700	0.1200				1			0
109.02	Vitamin E, LC (IU / kg)	0098	47.25	7.100	61.23	2.878	3.735	14	-4.86	11%	0
109.02	Vitamin E, LC (IU / kg)	0227	58.90	1.600	61.23	2.878	3.735	14	-0.81	2%	0
109.02	Vitamin E, LC (IU / kg)	2103	59.10	6.200	61.23	2.878	3.735	14	-0.74	2%	0
109.02	Vitamin E, LC (IU / kg)	0610	59.15	0.7000	61.23	2.878	3.735	14	-0.72	2%	0
109.02	Vitamin E, LC (IU / kg)	0036	59.60	4.400	61.23	2.878	3.735	14	-0.56	1%	0
109.02	Vitamin E, LC (IU / kg)	0148	60.47	2.480	61.23	2.878	3.735	14	-0.26	1%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs			
109.02	Vitamin E, LC (IU / kg)	2319	60.60	0.8000	61.23	2.878	3.735	14	-0.22	1%	0
109.02	Vitamin E, LC (IU / kg)	0038	61.25	23.50	61.23	2.878	3.735	14	0.01	0%	0
109.02	Vitamin E, LC (IU / kg)	0563	61.26	0.1120	61.23	2.878	3.735	14	0.01	0%	0
109.02	Vitamin E, LC (IU / kg)	0208	62.10	2.000	61.23	2.878	3.735	14	0.30	1%	0
109.02	Vitamin E, LC (IU / kg)	0675	63.21	1.270	61.23	2.878	3.735	14	0.69	2%	0
109.02	Vitamin E, LC (IU / kg)	2188	63.53	5.300	61.23	2.878	3.735	14	0.80	2%	0
109.02	Vitamin E, LC (IU / kg)	2302	87.50	21.00	61.23	2.878	3.735	14	9.13	21%	0
109.02	Vitamin E, LC (IU / kg)	0870	101.0	2.391	61.23	2.878	3.735	14	13.83	33%	0
109.03		0581	52.45	0.4000				1			0
109.99	Vitamin E, Miscellaneous (IU / kg)	0171	49.00	0.0000				1			0
111.00	Vitamin C, Phosphorylated, LC (ppm)	0227	< 4.4					0			5
112.01	Pyridoxine, LC (µg / g)	2319	4.615	1.030				2			0
112.01	Pyridoxine, LC (µg / g)	0227	5.220	0.0600				2			0
113.01	Folic Acid, Micro (ppm)	0227	1.590	0.0000				1			0
113.02	Folic acid, LC (ppm)	2319	1.250	0.1000				1			0
114.01	Biotin, Microbiological (ppm)	0227	0.3405	0.0250				1			0
114.99	Biotin, Miscellaneous (ppm)	0227	0.2805	0.0010				1			0
115.00	Non Protein N (NPN), Urea + Am, Urease meth	0407	0.2086	0.0442				2			0
115.00	Non Protein N (NPN), Urea + Am, Urease meth	0098	2.125	0.1500				2			0
115.99	Non Protein N (NPN), Miscellaneous (%)	2129	0.6175	0.0590				1			0
120.00	Alanine, Post-col Ninhydrin Der (%)	0226	0.7956	0.0111	0.8254	0.0215	0.0065	12	-1.39	2%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0723	0.8000	0.0000	0.8254	0.0215	0.0065	12	-1.18	2%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0939	0.8050	0.0100	0.8254	0.0215	0.0065	12	-0.95	1%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0968	0.8100	0.0000	0.8254	0.0215	0.0065	12	-0.72	1%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	2022	0.8190	0.0000	0.8254	0.0215	0.0065	12	-0.30	0%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0354	0.8250	0.0020	0.8254	0.0215	0.0065	12	-0.02	0%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	2059	0.8355	0.0030	0.8254	0.0215	0.0065	12	0.47	1%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0644	0.8390	0.0060	0.8254	0.0215	0.0065	12	0.63	1%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0504	0.8400	0.0000	0.8254	0.0215	0.0065	12	0.68	1%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	2115	0.8400	0.0000	0.8254	0.0215	0.0065	12	0.68	1%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0872	0.8455	0.0070	0.8254	0.0215	0.0065	12	0.94	1%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0227	0.8500	0.0000	0.8254	0.0215	0.0065	12	1.15	1%	0
120.02	Alanine, Post-col OPA Der (%)	0098	0.8330	0.0020				1			0
120.05	Alanine, Pre-col AQC Der (%)	2505	0.4700	0.0000	0.8257	0.0709	0.0168	10	-5.02	22%	0
120.05	Alanine, Pre-col AQC Der (%)	2319	0.7650	0.0300	0.8257	0.0709	0.0168	10	-0.86	4%	0
120.05	Alanine, Pre-col AQC Der (%)	2188	0.7754	0.0121	0.8257	0.0709	0.0168	10	-0.71	3%	0
120.05	Alanine, Pre-col AQC Der (%)	0682	0.7900	0.0000	0.8257	0.0709	0.0168	10	-0.50	2%	0
120.05	Alanine, Pre-col AQC Der (%)	2246	0.8244	0.0282	0.8257	0.0709	0.0168	10	-0.02	0%	0
120.05	Alanine, Pre-col AQC Der (%)	0610	0.8350	0.0100	0.8257	0.0709	0.0168	10	0.13	1%	0
120.05	Alanine, Pre-col AQC Der (%)	2196	0.8680	0.0000	0.8257	0.0709	0.0168	10	0.60	3%	0
120.05	Alanine, Pre-col AQC Der (%)	0870	0.8745	0.0210	0.8257	0.0709	0.0168	10	0.69	3%	0
120.05	Alanine, Pre-col AQC Der (%)	0148	0.8905	0.0010	0.8257	0.0709	0.0168	10	0.91	4%	0

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120.05	Alanine, Pre-col AQC Der (%)	0407	0.9145	0.0150	0.8257	0.0709	0.0168	10	1.25	5%	0
120.99	Alanine, Miscellaneous (%)	2144	0.7650	0.0100				2			0
120.99	Alanine, Miscellaneous (%)	0160	0.8860	0.0920				2			0
121.00	Arginine, Post-col Ninhydrin Der (%)	0723	0.9900	0.0000	1.032	0.0323	0.0084	11	-1.29	2%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0354	0.9970	0.0040	1.032	0.0323	0.0084	11	-1.08	2%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	2022	1.003	0.0000	1.032	0.0323	0.0084	11	-0.89	1%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0968	1.015	0.0100	1.032	0.0323	0.0084	11	-0.52	1%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0227	1.020	0.0200	1.032	0.0323	0.0084	11	-0.37	1%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0644	1.037	0.0110	1.032	0.0323	0.0084	11	0.14	0%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0939	1.045	0.0100	1.032	0.0323	0.0084	11	0.41	1%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0504	1.050	0.0000	1.032	0.0323	0.0084	11	0.56	1%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0872	1.055	0.0050	1.032	0.0323	0.0084	11	0.70	1%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	2059	1.070	0.0010	1.032	0.0323	0.0084	11	1.16	2%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	2115	1.070	0.0000	1.032	0.0323	0.0084	11	1.18	2%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0226	0.9714	0.0405	1.032	0.0323	0.0084	11	-1.87	3%	1
121.02	Arginine, Post-col OPA Der (%)	0098	1.015	0.0090				1			0
121.05	Arginine, Pre-col AQC Der (%)	2505	0.7500	0.0600	1.028	0.0600	0.0341	10	-4.63	14%	0
121.05	Arginine, Pre-col AQC Der (%)	0148	0.9675	0.0070	1.028	0.0600	0.0341	10	-1.00	3%	0
121.05	Arginine, Pre-col AQC Der (%)	0870	0.9925	0.0250	1.028	0.0600	0.0341	10	-0.59	2%	0
121.05	Arginine, Pre-col AQC Der (%)	0407	1.007	0.0160	1.028	0.0600	0.0341	10	-0.35	1%	0
121.05	Arginine, Pre-col AQC Der (%)	2246	1.024	0.0492	1.028	0.0600	0.0341	10	-0.07	0%	0
121.05	Arginine, Pre-col AQC Der (%)	0682	1.039	0.0000	1.028	0.0600	0.0341	10	0.19	1%	0
121.05	Arginine, Pre-col AQC Der (%)	2188	1.054	0.0652	1.028	0.0600	0.0341	10	0.44	1%	0
121.05	Arginine, Pre-col AQC Der (%)	2319	1.070	0.0400	1.028	0.0600	0.0341	10	0.70	2%	0
121.05	Arginine, Pre-col AQC Der (%)	0610	1.075	0.0100	1.028	0.0600	0.0341	10	0.79	2%	0
121.05	Arginine, Pre-col AQC Der (%)	2196	1.111	0.0000	1.028	0.0600	0.0341	10	1.39	4%	0
121.99	Arginine, Miscellaneous (%)	0160	0.9100	0.0280				2			0
121.99	Arginine, Miscellaneous (%)	2144	1.025	0.0300				2			0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0226	1.439	0.0242	1.508	0.0391	0.0143	12	-1.77	2%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0968	1.470	0.0000	1.508	0.0391	0.0143	12	-0.97	1%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0644	1.475	0.0170	1.508	0.0391	0.0143	12	-0.86	1%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	2059	1.482	0.0050	1.508	0.0391	0.0143	12	-0.68	1%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0354	1.502	0.0020	1.508	0.0391	0.0143	12	-0.15	0%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0723	1.510	0.0200	1.508	0.0391	0.0143	12	0.05	0%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0504	1.515	0.0100	1.508	0.0391	0.0143	12	0.18	0%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0872	1.522	0.0030	1.508	0.0391	0.0143	12	0.35	0%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	2022	1.522	0.0000	1.508	0.0391	0.0143	12	0.36	0%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	2115	1.530	0.0000	1.508	0.0391	0.0143	12	0.56	1%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0227	1.560	0.0000	1.508	0.0391	0.0143	12	1.33	2%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0939	1.560	0.0400	1.508	0.0391	0.0143	12	1.33	2%	0
122.02	Aspartic, Post-col OPA Der (%)	0098	1.516	0.0320				1			0
122.05	Aspartic, Pre-col AQC Der (%)	2505	1.020	0.0000	1.465	0.1452	0.0396	10	-3.06	15%	0

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122.05	Aspartic, Pre-col AQC Der (%)	0407	1.313	0.0210	1.465	0.1452	0.0396	10	-1.05	5%	0
122.05	Aspartic, Pre-col AQC Der (%)	2246	1.332	0.0557	1.465	0.1452	0.0396	10	-0.92	5%	0
122.05	Aspartic, Pre-col AQC Der (%)	2188	1.419	0.0104	1.465	0.1452	0.0396	10	-0.32	2%	0
122.05	Aspartic, Pre-col AQC Der (%)	0610	1.515	0.0100	1.465	0.1452	0.0396	10	0.35	2%	0
122.05	Aspartic, Pre-col AQC Der (%)	0682	1.517	0.0000	1.465	0.1452	0.0396	10	0.36	2%	0
122.05	Aspartic, Pre-col AQC Der (%)	0870	1.551	0.0800	1.465	0.1452	0.0396	10	0.60	3%	0
122.05	Aspartic, Pre-col AQC Der (%)	2319	1.565	0.0500	1.465	0.1452	0.0396	10	0.69	3%	0
122.05	Aspartic, Pre-col AQC Der (%)	2196	1.573	0.0000	1.465	0.1452	0.0396	10	0.75	4%	0
122.05	Aspartic, Pre-col AQC Der (%)	0148	1.615	0.0500	1.465	0.1452	0.0396	10	1.04	5%	0
122.99	Aspartic, Miscellaneous (%)	2144	1.320	0.0000				2			0
122.99	Aspartic, Miscellaneous (%)	0160	1.530	0.1000				2			0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0644	0.2705	0.0010	0.2802	0.0072	0.0043	11	-1.34	2%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	2115	0.2750	0.0100	0.2802	0.0072	0.0043	11	-0.72	1%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0226	0.2770	0.0048	0.2802	0.0072	0.0043	11	-0.44	1%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0723	0.2775	0.0050	0.2802	0.0072	0.0043	11	-0.37	0%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0872	0.2775	0.0010	0.2802	0.0072	0.0043	11	-0.37	0%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	2022	0.2785	0.0010	0.2802	0.0072	0.0043	11	-0.23	0%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	2059	0.2790	0.0020	0.2802	0.0072	0.0043	11	-0.16	0%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0968	0.2800	0.0000	0.2802	0.0072	0.0043	11	-0.03	0%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0939	0.2850	0.0100	0.2802	0.0072	0.0043	11	0.66	1%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0354	0.2910	0.0040	0.2802	0.0072	0.0043	11	1.49	2%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0504	0.3000	0.0000	0.2802	0.0072	0.0043	11	2.74	4%	0
124.02	Cysteine/Cystine, PAO Post-col OPA Der (%)	0227	0.2550	0.0100				2			0
124.02	Cysteine/Cystine, PAO Post-col OPA Der (%)	0098	0.2895	0.0090				2			0
124.05	Cysteine/Cystine, PAO Pre-col AQC Der (%)	0148	0.2140	0.0480	0.2681	0.0511	0.0183	10	-1.06	10%	0
124.05	Cysteine/Cystine, PAO Pre-col AQC Der (%)	0870	0.2170	0.0160	0.2681	0.0511	0.0183	10	-1.00	10%	0
124.05	Cysteine/Cystine, PAO Pre-col AQC Der (%)	2246	0.2224	0.0384	0.2681	0.0511	0.0183	10	-0.89	9%	0
124.05	Cysteine/Cystine, PAO Pre-col AQC Der (%)	2196	0.2410	0.0000	0.2681	0.0511	0.0183	10	-0.53	5%	0
124.05	Cysteine/Cystine, PAO Pre-col AQC Der (%)	2319	0.2600	0.0200	0.2681	0.0511	0.0183	10	-0.16	2%	0
124.05	Cysteine/Cystine, PAO Pre-col AQC Der (%)	2188	0.2719	0.0023	0.2681	0.0511	0.0183	10	0.07	1%	0
124.05	Cysteine/Cystine, PAO Pre-col AQC Der (%)	0682	0.2930	0.0000	0.2681	0.0511	0.0183	10	0.49	5%	0
124.05	Cysteine/Cystine, PAO Pre-col AQC Der (%)	0407	0.3018	0.0050	0.2681	0.0511	0.0183	10	0.66	6%	0
124.05	Cysteine/Cystine, PAO Pre-col AQC Der (%)	0610	0.3150	0.0100	0.2681	0.0511	0.0183	10	0.92	9%	0
124.05	Cysteine/Cystine, PAO Pre-col AQC Der (%)	2505	0.6450	0.0100	0.2681	0.0511	0.0183	10	7.38	70%	0
124.99	Cysteine/Cystine, Miscellaneous (%)	2144	0.3000	0.0000				2			0
124.99	Cysteine/Cystine, Miscellaneous (%)	2246	0.3884	0.0126				2			0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0354	2.961	0.0040	3.046	0.0660	0.0178	12	-1.29	1%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0723	2.980	0.0200	3.046	0.0660	0.0178	12	-1.00	1%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0644	2.984	0.0280	3.046	0.0660	0.0178	12	-0.94	1%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0968	3.000	0.0000	3.046	0.0660	0.0178	12	-0.70	1%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	2059	3.018	0.0080	3.046	0.0660	0.0178	12	-0.43	0%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0872	3.039	0.0060	3.046	0.0660	0.0178	12	-0.11	0%	0

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125.00	Glutamic, Post-col Ninhydrin Der (%)	0227	3.060	0.0000	3.046	0.0660	0.0178	12	0.21	0%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0226	3.078	0.0396	3.046	0.0660	0.0178	12	0.48	1%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	2115	3.085	0.0100	3.046	0.0660	0.0178	12	0.59	1%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	2022	3.099	0.0120	3.046	0.0660	0.0178	12	0.80	1%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0504	3.105	0.0100	3.046	0.0660	0.0178	12	0.89	1%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0939	3.180	0.0400	3.046	0.0660	0.0178	12	2.03	2%	0
125.02	Glutamic, Post-col OPA Der (%)	0098	3.057	0.0220				1			0
125.05	Glutamic, Pre-col AQC Der (%)	2505	2.330	0.0400	3.084	0.1778	0.0332	9	-4.24	12%	0
125.05	Glutamic, Pre-col AQC Der (%)	2246	2.958	0.0240	3.084	0.1778	0.0332	9	-0.71	2%	0
125.05	Glutamic, Pre-col AQC Der (%)	0407	3.016	0.0470	3.084	0.1778	0.0332	9	-0.38	1%	0
125.05	Glutamic, Pre-col AQC Der (%)	0610	3.040	0.0200	3.084	0.1778	0.0332	9	-0.25	1%	0
125.05	Glutamic, Pre-col AQC Der (%)	0682	3.050	0.0000	3.084	0.1778	0.0332	9	-0.19	1%	0
125.05	Glutamic, Pre-col AQC Der (%)	2319	3.080	0.0200	3.084	0.1778	0.0332	9	-0.02	0%	0
125.05	Glutamic, Pre-col AQC Der (%)	0870	3.217	0.0750	3.084	0.1778	0.0332	9	0.75	2%	0
125.05	Glutamic, Pre-col AQC Der (%)	2196	3.266	0.0000	3.084	0.1778	0.0332	9	1.03	3%	0
125.05	Glutamic, Pre-col AQC Der (%)	0148	3.310	0.0200	3.084	0.1778	0.0332	9	1.27	4%	0
125.05	Glutamic, Pre-col AQC Der (%)	2188	2.660	0.2539	3.084	0.1778	0.0332	9	-2.38	7%	1
125.99	Glutamic, Miscellaneous (%)	2144	2.745	0.0100				2			0
125.99	Glutamic, Miscellaneous (%)	0160	3.085	0.1700				2			0
126.00	Glycine, Post-col Ninhydrin Der (%)	0723	0.6950	0.0100	0.7204	0.0155	0.0113	12	-1.64	2%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0354	0.7015	0.0090	0.7204	0.0155	0.0113	12	-1.22	1%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0226	0.7051	0.0162	0.7204	0.0155	0.0113	12	-0.98	1%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	2022	0.7140	0.0000	0.7204	0.0155	0.0113	12	-0.41	0%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0939	0.7200	0.0200	0.7204	0.0155	0.0113	12	-0.03	0%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0968	0.7200	0.0200	0.7204	0.0155	0.0113	12	-0.03	0%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	2115	0.7250	0.0100	0.7204	0.0155	0.0113	12	0.30	0%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0872	0.7255	0.0050	0.7204	0.0155	0.0113	12	0.33	0%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	2059	0.7270	0.0020	0.7204	0.0155	0.0113	12	0.43	0%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0644	0.7345	0.0110	0.7204	0.0155	0.0113	12	0.91	1%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0504	0.7350	0.0100	0.7204	0.0155	0.0113	12	0.94	1%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0227	0.7400	0.0000	0.7204	0.0155	0.0113	12	1.26	1%	0
126.02	Glycine, Post-col OPA Der (%)	0098	0.7175	0.0070				1			0
126.05	Glycine, Pre-col AQC Der (%)	2505	0.5100	0.0200	0.7151	0.0299	0.0093	9	-6.86	14%	0
126.05	Glycine, Pre-col AQC Der (%)	0148	0.6935	0.0090	0.7151	0.0299	0.0093	9	-0.72	2%	0
126.05	Glycine, Pre-col AQC Der (%)	2319	0.6950	0.0100	0.7151	0.0299	0.0093	9	-0.67	1%	0
126.05	Glycine, Pre-col AQC Der (%)	2188	0.7088	0.0036	0.7151	0.0299	0.0093	9	-0.21	0%	0
126.05	Glycine, Pre-col AQC Der (%)	0610	0.7150	0.0100	0.7151	0.0299	0.0093	9	0.00	0%	0
126.05	Glycine, Pre-col AQC Der (%)	0682	0.7220	0.0000	0.7151	0.0299	0.0093	9	0.23	0%	0
126.05	Glycine, Pre-col AQC Der (%)	0870	0.7370	0.0020	0.7151	0.0299	0.0093	9	0.73	2%	0
126.05	Glycine, Pre-col AQC Der (%)	2196	0.7410	0.0000	0.7151	0.0299	0.0093	9	0.87	2%	0
126.05	Glycine, Pre-col AQC Der (%)	0407	0.7530	0.0120	0.7151	0.0299	0.0093	9	1.27	3%	0
126.05	Glycine, Pre-col AQC Der (%)	2246	0.6845	0.0529	0.7151	0.0299	0.0093	9	-1.02	2%	1

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs			
126.99	Glycine, Miscellaneous (%)	2144	0.6600	0.0000				2			0
126.99	Glycine, Miscellaneous (%)	0160	0.7720	0.0600				2			0
127.00	Histidine, Post-col Ninhydrin Der (%)	0226	0.3740	0.0097	0.4295	0.0206	0.0064	12	-2.69	6%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0723	0.4000	0.0000	0.4295	0.0206	0.0064	12	-1.43	3%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0968	0.4200	0.0000	0.4295	0.0206	0.0064	12	-0.46	1%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0644	0.4245	0.0050	0.4295	0.0206	0.0064	12	-0.24	1%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	2059	0.4270	0.0020	0.4295	0.0206	0.0064	12	-0.12	0%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	2022	0.4280	0.0000	0.4295	0.0206	0.0064	12	-0.07	0%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0939	0.4300	0.0000	0.4295	0.0206	0.0064	12	0.02	0%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0227	0.4350	0.0100	0.4295	0.0206	0.0064	12	0.27	1%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0504	0.4350	0.0100	0.4295	0.0206	0.0064	12	0.27	1%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0872	0.4455	0.0050	0.4295	0.0206	0.0064	12	0.78	2%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	2115	0.4500	0.0000	0.4295	0.0206	0.0064	12	0.99	2%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0354	0.4715	0.0030	0.4295	0.0206	0.0064	12	2.04	5%	0
127.02	Histidine, Post-col OPA Der (%)	0098	0.4270	0.0020				1			0
127.05	Histidine, Pre-col AQC Der (%)	2505	0.3800	0.0200	0.4205	0.0274	0.0124	10	-1.48	5%	0
127.05	Histidine, Pre-col AQC Der (%)	0148	0.3975	0.0010	0.4205	0.0274	0.0124	10	-0.84	3%	0
127.05	Histidine, Pre-col AQC Der (%)	2319	0.4000	0.0400	0.4205	0.0274	0.0124	10	-0.75	2%	0
127.05	Histidine, Pre-col AQC Der (%)	2188	0.4113	0.0052	0.4205	0.0274	0.0124	10	-0.33	1%	0
127.05	Histidine, Pre-col AQC Der (%)	0682	0.4180	0.0000	0.4205	0.0274	0.0124	10	-0.09	0%	0
127.05	Histidine, Pre-col AQC Der (%)	0610	0.4250	0.0100	0.4205	0.0274	0.0124	10	0.17	1%	0
127.05	Histidine, Pre-col AQC Der (%)	0407	0.4325	0.0070	0.4205	0.0274	0.0124	10	0.44	1%	0
127.05	Histidine, Pre-col AQC Der (%)	2246	0.4377	0.0042	0.4205	0.0274	0.0124	10	0.63	2%	0
127.05	Histidine, Pre-col AQC Der (%)	0870	0.4410	0.0220	0.4205	0.0274	0.0124	10	0.75	2%	0
127.05	Histidine, Pre-col AQC Der (%)	2196	0.4720	0.0000	0.4205	0.0274	0.0124	10	1.88	6%	0
127.99	Histidine, Miscellaneous (%)	2144	0.3950	0.0100				2			0
127.99	Histidine, Miscellaneous (%)	0160	0.4175	0.0290				2			0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0226	0.5721	0.0114	0.6253	0.0286	0.0085	12	-1.86	4%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0939	0.5950	0.0100	0.6253	0.0286	0.0085	12	-1.06	2%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0354	0.6070	0.0020	0.6253	0.0286	0.0085	12	-0.64	1%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0723	0.6100	0.0000	0.6253	0.0286	0.0085	12	-0.53	1%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0968	0.6100	0.0000	0.6253	0.0286	0.0085	12	-0.53	1%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	2022	0.6240	0.0000	0.6253	0.0286	0.0085	12	-0.05	0%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0644	0.6305	0.0150	0.6253	0.0286	0.0085	12	0.18	0%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	2059	0.6390	0.0100	0.6253	0.0286	0.0085	12	0.48	1%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	2115	0.6400	0.0000	0.6253	0.0286	0.0085	12	0.51	1%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0872	0.6425	0.0010	0.6253	0.0286	0.0085	12	0.60	1%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0227	0.6550	0.0100	0.6253	0.0286	0.0085	12	1.04	2%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0504	0.6900	0.0000	0.6253	0.0286	0.0085	12	2.26	5%	0
128.02	Isoleucine, Post-col OPA Der (%)	0098	0.6805	0.0070				1			0
128.05	Isoleucine, Pre-col AQC Der (%)	2505	0.4000	0.0200	0.6343	0.0457	0.0164	10	-5.13	18%	0
128.05	Isoleucine, Pre-col AQC Der (%)	0407	0.5905	0.0090	0.6343	0.0457	0.0164	10	-0.96	3%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs			
128.05	Isoleucine, Pre-col AQC Der (%)	2319	0.6050	0.0100	0.6343	0.0457	0.0164	10	-0.64	2%	0
128.05	Isoleucine, Pre-col AQC Der (%)	2246	0.6226	0.0319	0.6343	0.0457	0.0164	10	-0.26	1%	0
128.05	Isoleucine, Pre-col AQC Der (%)	0682	0.6260	0.0000	0.6343	0.0457	0.0164	10	-0.18	1%	0
128.05	Isoleucine, Pre-col AQC Der (%)	0870	0.6510	0.0200	0.6343	0.0457	0.0164	10	0.37	1%	0
128.05	Isoleucine, Pre-col AQC Der (%)	0610	0.6550	0.0100	0.6343	0.0457	0.0164	10	0.45	2%	0
128.05	Isoleucine, Pre-col AQC Der (%)	0148	0.6575	0.0050	0.6343	0.0457	0.0164	10	0.51	2%	0
128.05	Isoleucine, Pre-col AQC Der (%)	2188	0.6667	0.0254	0.6343	0.0457	0.0164	10	0.71	3%	0
128.05	Isoleucine, Pre-col AQC Der (%)	2196	0.7110	0.0000	0.6343	0.0457	0.0164	10	1.68	6%	0
128.99	Isoleucine, Miscellaneous (%)	2144	0.6100	0.0000				2			0
128.99	Isoleucine, Miscellaneous (%)	0160	0.6110	0.0780				2			0
129.00	Leucine, Post-col Ninhydrin Der (%)	0723	1.240	0.0000	1.314	0.0290	0.0083	12	-2.54	3%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0226	1.254	0.0143	1.314	0.0290	0.0083	12	-2.07	2%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0354	1.293	0.0160	1.314	0.0290	0.0083	12	-0.72	1%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0644	1.303	0.0030	1.314	0.0290	0.0083	12	-0.39	0%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	2022	1.307	0.0030	1.314	0.0290	0.0083	12	-0.25	0%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	2059	1.315	0.0080	1.314	0.0290	0.0083	12	0.04	0%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0939	1.325	0.0100	1.314	0.0290	0.0083	12	0.39	0%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	2115	1.330	0.0000	1.314	0.0290	0.0083	12	0.56	1%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0968	1.335	0.0100	1.314	0.0290	0.0083	12	0.73	1%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0872	1.338	0.0020	1.314	0.0290	0.0083	12	0.83	1%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0227	1.340	0.0000	1.314	0.0290	0.0083	12	0.90	1%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0504	1.340	0.0000	1.314	0.0290	0.0083	12	0.90	1%	0
129.02	Leucine, Post-col OPA Der (%)	0098	1.328	0.0030				1			0
129.05	Leucine, Pre-col AQC Der (%)	2505	0.8750	0.0100	1.320	0.0662	0.0329	10	-6.73	17%	0
129.05	Leucine, Pre-col AQC Der (%)	0682	1.242	0.0000	1.320	0.0662	0.0329	10	-1.18	3%	0
129.05	Leucine, Pre-col AQC Der (%)	2246	1.287	0.0805	1.320	0.0662	0.0329	10	-0.50	1%	0
129.05	Leucine, Pre-col AQC Der (%)	2188	1.296	0.0291	1.320	0.0662	0.0329	10	-0.36	1%	0
129.05	Leucine, Pre-col AQC Der (%)	0148	1.325	0.0100	1.320	0.0662	0.0329	10	0.07	0%	0
129.05	Leucine, Pre-col AQC Der (%)	2319	1.335	0.1300	1.320	0.0662	0.0329	10	0.22	1%	0
129.05	Leucine, Pre-col AQC Der (%)	0610	1.345	0.0100	1.320	0.0662	0.0329	10	0.37	1%	0
129.05	Leucine, Pre-col AQC Der (%)	0870	1.381	0.0130	1.320	0.0662	0.0329	10	0.91	2%	0
129.05	Leucine, Pre-col AQC Der (%)	2196	1.383	0.0000	1.320	0.0662	0.0329	10	0.95	2%	0
129.05	Leucine, Pre-col AQC Der (%)	0407	1.388	0.0220	1.320	0.0662	0.0329	10	1.02	3%	0
129.99	Leucine, Miscellaneous (%)	2144	1.235	0.0100				2			0
129.99	Leucine, Miscellaneous (%)	0160	1.240	0.1200				2			0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0226	0.7568	0.0046	0.8335	0.0251	0.0089	15	-3.06	5%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0723	0.8050	0.0100	0.8335	0.0251	0.0089	15	-1.14	2%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0968	0.8100	0.0000	0.8335	0.0251	0.0089	15	-0.94	1%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	2022	0.8170	0.0000	0.8335	0.0251	0.0089	15	-0.66	1%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	2115	0.8200	0.0000	0.8335	0.0251	0.0089	15	-0.54	1%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0939	0.8250	0.0100	0.8335	0.0251	0.0089	15	-0.34	1%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	2325	0.8300	0.0000	0.8335	0.0251	0.0089	15	-0.14	0%	0

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			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs			
130.00	L-Lysine, Post-col Ninhydrin Der (%)	2059	0.8320	0.0020	0.8335	0.0251	0.0089	15	-0.06	0%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0644	0.8375	0.0190	0.8335	0.0251	0.0089	15	0.16	0%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	2322	0.8384	0.0097	0.8335	0.0251	0.0089	15	0.19	0%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0354	0.8485	0.0010	0.8335	0.0251	0.0089	15	0.60	1%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0872	0.8485	0.0030	0.8335	0.0251	0.0089	15	0.60	1%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0171	0.8600	0.0200	0.8335	0.0251	0.0089	15	1.06	2%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0227	0.8650	0.0100	0.8335	0.0251	0.0089	15	1.26	2%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0504	0.8700	0.0000	0.8335	0.0251	0.0089	15	1.46	2%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0848	0.7600	0.0400	0.8335	0.0251	0.0089	15	-2.93	4%	1
130.02	L-Lysine, Post-col OPA Der (%)	0098	0.8910	0.0420				1			0
130.05	L-Lysine, Pre-col AQC Der (%)	2246	0.7100	0.0092	0.8471	0.0750	0.0121	10	-1.83	8%	0
130.05	L-Lysine, Pre-col AQC Der (%)	0682	0.7770	0.0000	0.8471	0.0750	0.0121	10	-0.93	4%	0
130.05	L-Lysine, Pre-col AQC Der (%)	2319	0.8150	0.0100	0.8471	0.0750	0.0121	10	-0.43	2%	0
130.05	L-Lysine, Pre-col AQC Der (%)	0610	0.8200	0.0000	0.8471	0.0750	0.0121	10	-0.36	2%	0
130.05	L-Lysine, Pre-col AQC Der (%)	2188	0.8396	0.0137	0.8471	0.0750	0.0121	10	-0.10	0%	0
130.05	L-Lysine, Pre-col AQC Der (%)	0870	0.8445	0.0110	0.8471	0.0750	0.0121	10	-0.03	0%	0
130.05	L-Lysine, Pre-col AQC Der (%)	2196	0.8730	0.0000	0.8471	0.0750	0.0121	10	0.35	2%	0
130.05	L-Lysine, Pre-col AQC Der (%)	0148	0.8895	0.0390	0.8471	0.0750	0.0121	10	0.57	3%	0
130.05	L-Lysine, Pre-col AQC Der (%)	0407	0.9180	0.0140	0.8471	0.0750	0.0121	10	0.95	4%	0
130.05	L-Lysine, Pre-col AQC Der (%)	0014	1.015	0.0100	0.8471	0.0750	0.0121	10	2.24	10%	0
130.05	L-Lysine, Pre-col AQC Der (%)	2505	0.3850	0.0700	0.8471	0.0750	0.0121	10	-6.16	27%	1
130.99	L-Lysine, Miscellaneous (%)	2144	0.7250	0.0100				3			0
130.99	L-Lysine, Miscellaneous (%)	0160	0.7910	0.0060				3			0
130.99	L-Lysine, Miscellaneous (%)	2246	0.9681	0.1236				3			0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	2322	0.2294	0.0109	0.2470	0.0126	0.0057	12	-1.40	4%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0354	0.2340	0.0000	0.2470	0.0126	0.0057	12	-1.03	3%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0968	0.2400	0.0000	0.2470	0.0126	0.0057	12	-0.56	1%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	2022	0.2400	0.0000	0.2470	0.0126	0.0057	12	-0.56	1%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0723	0.2415	0.0050	0.2470	0.0126	0.0057	12	-0.44	1%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0226	0.2427	0.0049	0.2470	0.0126	0.0057	12	-0.35	1%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0504	0.2500	0.0000	0.2470	0.0126	0.0057	12	0.24	1%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	2115	0.2500	0.0000	0.2470	0.0126	0.0057	12	0.24	1%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	2059	0.2510	0.0020	0.2470	0.0126	0.0057	12	0.32	1%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0644	0.2575	0.0030	0.2470	0.0126	0.0057	12	0.84	2%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0872	0.2630	0.0040	0.2470	0.0126	0.0057	12	1.27	3%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0939	0.2650	0.0100	0.2470	0.0126	0.0057	12	1.43	4%	0
131.02	Methionine, PAO Post-col OPA Der (%)	0098	0.2535	0.0110				2			0
131.02	Methionine, PAO Post-col OPA Der (%)	0227	0.2650	0.0100				2			0
131.05	Methionine, PAO Pre-col AQC Der (%)	2246	0.2130	0.0312	0.2577	0.0215	0.0170	10	-2.08	9%	0
131.05	Methionine, PAO Pre-col AQC Der (%)	0870	0.2420	0.0120	0.2577	0.0215	0.0170	10	-0.73	3%	0
131.05	Methionine, PAO Pre-col AQC Der (%)	0682	0.2490	0.0000	0.2577	0.0215	0.0170	10	-0.40	2%	0
131.05	Methionine, PAO Pre-col AQC Der (%)	0148	0.2510	0.0240	0.2577	0.0215	0.0170	10	-0.31	1%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs			
131.05	Methionine, PAO Pre-col AQC Der (%)	0610	0.2550	0.0100	0.2577	0.0215	0.0170	10	-0.13	1%	0
131.05	Methionine, PAO Pre-col AQC Der (%)	2196	0.2550	0.0000	0.2577	0.0215	0.0170	10	-0.13	1%	0
131.05	Methionine, PAO Pre-col AQC Der (%)	2188	0.2615	0.0147	0.2577	0.0215	0.0170	10	0.18	1%	0
131.05	Methionine, PAO Pre-col AQC Der (%)	0407	0.2631	0.0041	0.2577	0.0215	0.0170	10	0.25	1%	0
131.05	Methionine, PAO Pre-col AQC Der (%)	2319	0.2850	0.0300	0.2577	0.0215	0.0170	10	1.27	5%	0
131.05	Methionine, PAO Pre-col AQC Der (%)	2505	0.3150	0.0100	0.2577	0.0215	0.0170	10	2.67	11%	0
131.99	Methionine, Miscellaneous (%)	2144	0.2250	0.0100				2			0
131.99	Methionine, Miscellaneous (%)	2246	0.2595	0.0007				2			0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0226	0.7099	0.0182	0.7708	0.0332	0.0081	12	-1.83	4%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0723	0.7150	0.0100	0.7708	0.0332	0.0081	12	-1.68	4%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0968	0.7550	0.0100	0.7708	0.0332	0.0081	12	-0.47	1%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	2115	0.7600	0.0000	0.7708	0.0332	0.0081	12	-0.32	1%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0644	0.7625	0.0090	0.7708	0.0332	0.0081	12	-0.25	1%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	2059	0.7635	0.0030	0.7708	0.0332	0.0081	12	-0.22	0%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0227	0.7750	0.0100	0.7708	0.0332	0.0081	12	0.13	0%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0872	0.7910	0.0040	0.7708	0.0332	0.0081	12	0.61	1%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0939	0.7950	0.0100	0.7708	0.0332	0.0081	12	0.73	2%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	2022	0.7965	0.0010	0.7708	0.0332	0.0081	12	0.77	2%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0504	0.8000	0.0000	0.7708	0.0332	0.0081	12	0.88	2%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0354	0.8090	0.0000	0.7708	0.0332	0.0081	12	1.15	2%	0
132.02	Phenylalanine, Post-col OPA Der (%)	0098	0.7780	0.0120				1			0
132.05	Phenylalanine, Pre-col AQC Der (%)	2505	0.6350	0.0100	0.7535	0.0535	0.0143	9	-2.21	8%	0
132.05	Phenylalanine, Pre-col AQC Der (%)	2188	0.7055	0.0000	0.7535	0.0535	0.0143	9	-0.90	3%	0
132.05	Phenylalanine, Pre-col AQC Der (%)	0682	0.7360	0.0000	0.7535	0.0535	0.0143	9	-0.33	1%	0
132.05	Phenylalanine, Pre-col AQC Der (%)	0148	0.7460	0.0280	0.7535	0.0535	0.0143	9	-0.14	0%	0
132.05	Phenylalanine, Pre-col AQC Der (%)	0407	0.7490	0.0120	0.7535	0.0535	0.0143	9	-0.08	0%	0
132.05	Phenylalanine, Pre-col AQC Der (%)	0610	0.7700	0.0000	0.7535	0.0535	0.0143	9	0.31	1%	0
132.05	Phenylalanine, Pre-col AQC Der (%)	0870	0.7705	0.0070	0.7535	0.0535	0.0143	9	0.32	1%	0
132.05	Phenylalanine, Pre-col AQC Der (%)	2196	0.8010	0.0000	0.7535	0.0535	0.0143	9	0.89	3%	0
132.05	Phenylalanine, Pre-col AQC Der (%)	2319	0.8300	0.0000	0.7535	0.0535	0.0143	9	1.43	5%	0
132.05	Phenylalanine, Pre-col AQC Der (%)	2246	0.8126	0.0870	0.7535	0.0535	0.0143	9	1.11	4%	1
132.99	Phenylalanine, Miscellaneous (%)	0160	0.7370	0.0120				2			0
132.99	Phenylalanine, Miscellaneous (%)	2144	0.7550	0.0100				2			0
133.00	Proline, Post-col Ninhydrin Der (%)	0723	0.9650	0.0100	1.032	0.0371	0.0089	12	-1.81	3%	0
133.00	Proline, Post-col Ninhydrin Der (%)	2022	1.001	0.0050	1.032	0.0371	0.0089	12	-0.85	2%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0354	1.002	0.0010	1.032	0.0371	0.0089	12	-0.82	1%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0226	1.006	0.0132	1.032	0.0371	0.0089	12	-0.70	1%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0968	1.015	0.0100	1.032	0.0371	0.0089	12	-0.46	1%	0
133.00	Proline, Post-col Ninhydrin Der (%)	2059	1.030	0.0060	1.032	0.0371	0.0089	12	-0.06	0%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0872	1.040	0.0040	1.032	0.0371	0.0089	12	0.21	0%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0939	1.050	0.0200	1.032	0.0371	0.0089	12	0.48	1%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0227	1.055	0.0100	1.032	0.0371	0.0089	12	0.62	1%	0

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			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs			
133.00	Proline, Post-col Ninhydrin Der (%)	2115	1.055	0.0100	1.032	0.0371	0.0089	12	0.62	1%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0644	1.068	0.0110	1.032	0.0371	0.0089	12	0.95	2%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0504	1.115	0.0100	1.032	0.0371	0.0089	12	2.23	4%	0
133.05	Proline, Pre-col AQC Der (%)	2246	0.9579	0.0333	1.051	0.0672	0.0204	9	-1.39	4%	0
133.05	Proline, Pre-col AQC Der (%)	0682	0.9800	0.0000	1.051	0.0672	0.0204	9	-1.06	3%	0
133.05	Proline, Pre-col AQC Der (%)	0148	1.020	0.0000	1.051	0.0672	0.0204	9	-0.46	1%	0
133.05	Proline, Pre-col AQC Der (%)	0610	1.045	0.0100	1.051	0.0672	0.0204	9	-0.09	0%	0
133.05	Proline, Pre-col AQC Der (%)	2188	1.048	0.0278	1.051	0.0672	0.0204	9	-0.05	0%	0
133.05	Proline, Pre-col AQC Der (%)	0870	1.063	0.0030	1.051	0.0672	0.0204	9	0.17	1%	0
133.05	Proline, Pre-col AQC Der (%)	2196	1.106	0.0000	1.051	0.0672	0.0204	9	0.82	3%	0
133.05	Proline, Pre-col AQC Der (%)	0407	1.107	0.0180	1.051	0.0672	0.0204	9	0.83	3%	0
133.05	Proline, Pre-col AQC Der (%)	2319	1.135	0.0300	1.051	0.0672	0.0204	9	1.25	4%	0
133.05	Proline, Pre-col AQC Der (%)	2505	0.5000	0.1800	1.051	0.0672	0.0204	9	-8.21	26%	1
133.99	Proline, Miscellaneous (%)	2144	0.9250	0.0100				2			0
133.99	Proline, Miscellaneous (%)	0160	1.040	0.0400				2			0
134.00	Serine, Post-col Ninhydrin Der (%)	0504	0.6850	0.0100	0.7849	0.0196	0.0096	12	-5.09	6%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0226	0.7665	0.0172	0.7849	0.0196	0.0096	12	-0.94	1%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0968	0.7700	0.0000	0.7849	0.0196	0.0096	12	-0.76	1%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0644	0.7750	0.0040	0.7849	0.0196	0.0096	12	-0.50	1%	0
134.00	Serine, Post-col Ninhydrin Der (%)	2059	0.7790	0.0000	0.7849	0.0196	0.0096	12	-0.30	0%	0
134.00	Serine, Post-col Ninhydrin Der (%)	2115	0.7800	0.0000	0.7849	0.0196	0.0096	12	-0.25	0%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0872	0.7855	0.0030	0.7849	0.0196	0.0096	12	0.03	0%	0
134.00	Serine, Post-col Ninhydrin Der (%)	2022	0.7895	0.0010	0.7849	0.0196	0.0096	12	0.23	0%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0354	0.7985	0.0010	0.7849	0.0196	0.0096	12	0.69	1%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0227	0.8000	0.0200	0.7849	0.0196	0.0096	12	0.77	1%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0723	0.8050	0.0100	0.7849	0.0196	0.0096	12	1.03	1%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0939	0.8500	0.0200	0.7849	0.0196	0.0096	12	3.32	4%	0
134.02	Serine, Post-col OPA Der (%)	0098	0.6860	0.0400				1			0
134.05	Serine, Pre-col AQC Der (%)	2505	0.5550	0.0700	0.7759	0.0569	0.0338	10	-3.88	14%	0
134.05	Serine, Pre-col AQC Der (%)	2188	0.7208	0.0430	0.7759	0.0569	0.0338	10	-0.97	4%	0
134.05	Serine, Pre-col AQC Der (%)	0610	0.7450	0.0100	0.7759	0.0569	0.0338	10	-0.54	2%	0
134.05	Serine, Pre-col AQC Der (%)	0682	0.7600	0.0000	0.7759	0.0569	0.0338	10	-0.28	1%	0
134.05	Serine, Pre-col AQC Der (%)	0407	0.7650	0.0120	0.7759	0.0569	0.0338	10	-0.19	1%	0
134.05	Serine, Pre-col AQC Der (%)	2196	0.7830	0.0000	0.7759	0.0569	0.0338	10	0.12	0%	0
134.05	Serine, Pre-col AQC Der (%)	2319	0.7950	0.0100	0.7759	0.0569	0.0338	10	0.34	1%	0
134.05	Serine, Pre-col AQC Der (%)	0870	0.8210	0.0460	0.7759	0.0569	0.0338	10	0.79	3%	0
134.05	Serine, Pre-col AQC Der (%)	0148	0.8235	0.0570	0.7759	0.0569	0.0338	10	0.84	3%	0
134.05	Serine, Pre-col AQC Der (%)	2246	0.8553	0.0223	0.7759	0.0569	0.0338	10	1.39	5%	0
134.99	Serine, Miscellaneous (%)	2144	0.7200	0.0200				2			0
134.99	Serine, Miscellaneous (%)	0160	0.7455	0.1530				2			0
135.00	Threonine, Post-col Ninhydrin Der (%)	0226	0.5629	0.0115	0.6153	0.0146	0.0070	12	-3.59	4%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0968	0.6000	0.0000	0.6153	0.0146	0.0070	12	-1.05	1%	0

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135.00	Threonine, Post-col Ninhydrin Der (%)	0939	0.6050	0.0100	0.6153	0.0146	0.0070	12	-0.71	1%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0644	0.6060	0.0020	0.6153	0.0146	0.0070	12	-0.64	1%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	2059	0.6120	0.0020	0.6153	0.0146	0.0070	12	-0.23	0%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0504	0.6150	0.0100	0.6153	0.0146	0.0070	12	-0.02	0%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	2115	0.6150	0.0100	0.6153	0.0146	0.0070	12	-0.02	0%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0872	0.6195	0.0050	0.6153	0.0146	0.0070	12	0.29	0%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0723	0.6250	0.0100	0.6153	0.0146	0.0070	12	0.67	1%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	2022	0.6255	0.0070	0.6153	0.0146	0.0070	12	0.70	1%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0227	0.6300	0.0000	0.6153	0.0146	0.0070	12	1.01	1%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0354	0.6370	0.0020	0.6153	0.0146	0.0070	12	1.49	2%	0
135.02	Threonine, Post-col OPA Der (%)	0098	0.5465	0.0050				1			0
135.05	Threonine, Pre-col AQC Der (%)	2505	0.3450	0.0100	0.6243	0.0547	0.0167	10	-5.10	22%	0
135.05	Threonine, Pre-col AQC Der (%)	0682	0.5830	0.0000	0.6243	0.0547	0.0167	10	-0.75	3%	0
135.05	Threonine, Pre-col AQC Der (%)	0148	0.5965	0.0010	0.6243	0.0547	0.0167	10	-0.51	2%	0
135.05	Threonine, Pre-col AQC Der (%)	0407	0.6090	0.0100	0.6243	0.0547	0.0167	10	-0.28	1%	0
135.05	Threonine, Pre-col AQC Der (%)	0610	0.6100	0.0000	0.6243	0.0547	0.0167	10	-0.26	1%	0
135.05	Threonine, Pre-col AQC Der (%)	2196	0.6180	0.0000	0.6243	0.0547	0.0167	10	-0.11	1%	0
135.05	Threonine, Pre-col AQC Der (%)	0870	0.6410	0.0100	0.6243	0.0547	0.0167	10	0.31	1%	0
135.05	Threonine, Pre-col AQC Der (%)	2188	0.6541	0.0163	0.6243	0.0547	0.0167	10	0.54	2%	0
135.05	Threonine, Pre-col AQC Der (%)	2246	0.6828	0.0581	0.6243	0.0547	0.0167	10	1.07	5%	0
135.05	Threonine, Pre-col AQC Der (%)	2319	0.7150	0.0300	0.6243	0.0547	0.0167	10	1.66	7%	0
135.99	Threonine, Miscellaneous (%)	0160	0.5440	0.0280				3			0
135.99	Threonine, Miscellaneous (%)	2144	0.5850	0.0100				3			0
135.99	Threonine, Miscellaneous (%)	2246	0.6940	0.0412				3			0
136.00	Tryptophan, Alka-Hydrol Post-col Ninhyd (%)	0682	0.3270	0.0000				1			0
136.01	Tryptophan, Alka-Hydrol Rev Phase LC UV (%)	0968	0.1900	0.0000				3			0
136.01	Tryptophan, Alka-Hydrol Rev Phase LC UV (%)	0644	0.2175	0.0070				3			0
136.01	Tryptophan, Alka-Hydrol Rev Phase LC UV (%)	0227	0.2600	0.0000				3			0
136.02	Tryptophan, Alka-Hydrol Post-col OPA De (%)	0098	0.2082	0.0020				1			0
136.03	Tryptophan, Alka-Hydrol + IS RP LC FI (%)	0226	0.2149	0.0038	0.2188	0.0040	0.0039	6	-0.98	1%	0
136.03	Tryptophan, Alka-Hydrol + IS RP LC FI (%)	2059	0.2165	0.0090	0.2188	0.0040	0.0039	6	-0.58	1%	0
136.03	Tryptophan, Alka-Hydrol + IS RP LC FI (%)	2196	0.2170	0.0000	0.2188	0.0040	0.0039	6	-0.45	0%	0
136.03	Tryptophan, Alka-Hydrol + IS RP LC FI (%)	2114	0.2197	0.0016	0.2188	0.0040	0.0039	6	0.22	0%	0
136.03	Tryptophan, Alka-Hydrol + IS RP LC FI (%)	0939	0.2200	0.0000	0.2188	0.0040	0.0039	6	0.29	0%	0
136.03	Tryptophan, Alka-Hydrol + IS RP LC FI (%)	0872	0.2395	0.0010	0.2188	0.0040	0.0039	6	5.17	5%	0
136.05	Tryptophan, Pre-col AQC Der (%)	0407	0.1985	0.0030	0.2055	0.0101	0.0080	4			0
136.05	Tryptophan, Pre-col AQC Der (%)	0870	0.1985	0.0110	0.2055	0.0101	0.0080	4			0
136.05	Tryptophan, Pre-col AQC Der (%)	2319	0.2050	0.0100	0.2055	0.0101	0.0080	4			0
136.05	Tryptophan, Pre-col AQC Der (%)	2022	0.2200	0.0000	0.2055	0.0101	0.0080	4			0
136.05	Tryptophan, Pre-col AQC Der (%)	2505	0.1350	0.0100	0.2055	0.0101	0.0080	4			2
136.99	Tryptophan, Miscellaneous (%)	0504	0.1950	0.0100				3			0
136.99	Tryptophan, Miscellaneous (%)	0610	0.2200	0.0000				3			0

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136.99	Tryptophan, Miscellaneous (%)	0682	0.3270	0.0000				3			0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0227	0.4250	0.0100	0.5120	0.0262	0.0090	11	-3.33	8%	0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	2115	0.4900	0.0000	0.5120	0.0262	0.0090	11	-0.84	2%	0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0226	0.4917	0.0173	0.5120	0.0262	0.0090	11	-0.78	2%	0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0723	0.5000	0.0000	0.5120	0.0262	0.0090	11	-0.46	1%	0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0354	0.5015	0.0010	0.5120	0.0262	0.0090	11	-0.40	1%	0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0939	0.5150	0.0100	0.5120	0.0262	0.0090	11	0.11	0%	0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0968	0.5200	0.0200	0.5120	0.0262	0.0090	11	0.31	1%	0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0872	0.5245	0.0030	0.5120	0.0262	0.0090	11	0.48	1%	0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0644	0.5305	0.0070	0.5120	0.0262	0.0090	11	0.71	2%	0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0504	0.5350	0.0100	0.5120	0.0262	0.0090	11	0.88	2%	0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	2059	0.5815	0.0030	0.5120	0.0262	0.0090	11	2.66	7%	0
137.02	Tyrosine, Post-col OPA Der (%)	0098	0.4705	0.0150				1			0
137.05	Tyrosine, Pre-col AQC Der (%)	0682	0.4490	0.0000	0.5290	0.0674	0.0215	10	-1.19	8%	0
137.05	Tyrosine, Pre-col AQC Der (%)	2246	0.4533	0.0469	0.5290	0.0674	0.0215	10	-1.12	7%	0
137.05	Tyrosine, Pre-col AQC Der (%)	0870	0.4950	0.0160	0.5290	0.0674	0.0215	10	-0.50	3%	0
137.05	Tyrosine, Pre-col AQC Der (%)	0148	0.4985	0.0030	0.5290	0.0674	0.0215	10	-0.45	3%	0
137.05	Tyrosine, Pre-col AQC Der (%)	0407	0.5160	0.0080	0.5290	0.0674	0.0215	10	-0.19	1%	0
137.05	Tyrosine, Pre-col AQC Der (%)	2319	0.5200	0.0200	0.5290	0.0674	0.0215	10	-0.13	1%	0
137.05	Tyrosine, Pre-col AQC Der (%)	2188	0.5639	0.0065	0.5290	0.0674	0.0215	10	0.52	3%	0
137.05	Tyrosine, Pre-col AQC Der (%)	0610	0.5700	0.0000	0.5290	0.0674	0.0215	10	0.61	4%	0
137.05	Tyrosine, Pre-col AQC Der (%)	2196	0.5940	0.0000	0.5290	0.0674	0.0215	10	0.96	6%	0
137.05	Tyrosine, Pre-col AQC Der (%)	2505	0.6350	0.0500	0.5290	0.0674	0.0215	10	1.57	10%	0
137.99	Tyrosine, Miscellaneous (%)	2144	0.4750	0.0100				2			0
137.99	Tyrosine, Miscellaneous (%)	0160	0.5050	0.0200				2			0
138.00	Valine, Post-col Ninhydrin Der (%)	0226	0.7118	0.0090	0.7606	0.0262	0.0092	13	-1.87	3%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0939	0.7150	0.0100	0.7606	0.0262	0.0092	13	-1.74	3%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0644	0.7490	0.0200	0.7606	0.0262	0.0092	13	-0.44	1%	0
138.00	Valine, Post-col Ninhydrin Der (%)	2322	0.7498	0.0066	0.7606	0.0262	0.0092	13	-0.41	1%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0968	0.7500	0.0000	0.7606	0.0262	0.0092	13	-0.41	1%	0
138.00	Valine, Post-col Ninhydrin Der (%)	2022	0.7590	0.0060	0.7606	0.0262	0.0092	13	-0.06	0%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0354	0.7605	0.0050	0.7606	0.0262	0.0092	13	-0.01	0%	0
138.00	Valine, Post-col Ninhydrin Der (%)	2059	0.7660	0.0080	0.7606	0.0262	0.0092	13	0.20	0%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0872	0.7665	0.0050	0.7606	0.0262	0.0092	13	0.22	0%	0
138.00	Valine, Post-col Ninhydrin Der (%)	2115	0.7700	0.0000	0.7606	0.0262	0.0092	13	0.36	1%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0723	0.7750	0.0100	0.7606	0.0262	0.0092	13	0.55	1%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0227	0.8000	0.0200	0.7606	0.0262	0.0092	13	1.50	3%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0504	0.8200	0.0000	0.7606	0.0262	0.0092	13	2.27	4%	0
138.02	Valine, Post-col OPA Der (%)	0098	0.8120	0.0000				1			0
138.05	Valine, Pre-col AQC Der (%)	2505	0.4900	0.0200	0.7383	0.0894	0.0116	10	-2.78	17%	0
138.05	Valine, Pre-col AQC Der (%)	2319	0.6250	0.0100	0.7383	0.0894	0.0116	10	-1.27	8%	0
138.05	Valine, Pre-col AQC Der (%)	2188	0.6813	0.0034	0.7383	0.0894	0.0116	10	-0.64	4%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs			
138.05	Valine, Pre-col AQC Der (%)	0682	0.7380	0.0000	0.7383	0.0894	0.0116	10	0.00	0%	0
138.05	Valine, Pre-col AQC Der (%)	0407	0.7660	0.0120	0.7383	0.0894	0.0116	10	0.31	2%	0
138.05	Valine, Pre-col AQC Der (%)	0870	0.7705	0.0210	0.7383	0.0894	0.0116	10	0.36	2%	0
138.05	Valine, Pre-col AQC Der (%)	0610	0.7750	0.0100	0.7383	0.0894	0.0116	10	0.41	2%	0
138.05	Valine, Pre-col AQC Der (%)	0148	0.7805	0.0070	0.7383	0.0894	0.0116	10	0.47	3%	0
138.05	Valine, Pre-col AQC Der (%)	2246	0.7812	0.0091	0.7383	0.0894	0.0116	10	0.48	3%	0
138.05	Valine, Pre-col AQC Der (%)	2196	0.8610	0.0000	0.7383	0.0894	0.0116	10	1.37	8%	0
138.99	Valine, Miscellaneous (%)	2144	0.7100	0.0000				2			0
138.99	Valine, Miscellaneous (%)	0160	0.7350	0.0340				2			0
139.00	Taurine, Post-col Ninhydrin Der (%)	2115	0.1000	0.0000				2			0
139.00	Taurine, Post-col Ninhydrin Der (%)	0504	0.2450	0.0100				2			0
139.02	Taurine, Post-col OPA Der (%)	0098	< 0.01					0			5
139.02	Taurine, Post-col OPA Der (%)	0227	< 0.01					0			5
139.03	Taurine, Pre-col Dansyl Cl Der (%)	0160	< 0.01					0			5
139.05	Taurine, Pre-col AQC Der (%)	0407	0.0150	0.0080				1			0
139.05	Taurine, Pre-col AQC Der (%)	0682	< 0.05					1			5
160.10	Fructose, HPAEC PAD (%)	0297	0.2850	0.0100				2			0
160.10	Fructose, HPAEC PAD (%)	0353	0.5000	0.2600				2			0
160.99	Fructose, Miscellaneous (%)	0227	0.4850	0.1300				1			0
161.10	Galactose, HPAEC PAD (%)	0297	0.0000	0.0000				0			4
162.10	Glucose, HPAEC PAD (%)	0297	0.2800	0.0000				2			0
162.10	Glucose, HPAEC PAD (%)	0353	0.4300	0.0000				2			0
162.99	Glucose, Miscellaneous (%)	0227	0.3450	0.0900				1			0
163.10	Lactose, HPAEC PAD (%)	0353	0.0650	0.0300				1			0
163.10	Lactose, HPAEC PAD (%)	0297	0.0000	0.0000				1			4
163.99	Lactose, Miscellaneous (%)	0227	< 0.15					0			5
164.10	Maltose, HPAEC PAD (%)	0297	0.3850	0.0100				2			0
164.10	Maltose, HPAEC PAD (%)	0353	0.3900	0.0800				2			0
164.99	Maltose, Miscellaneous (%)	0227	< 0.15					0			5
165.10	Sucrose, HPAEC PAD (%)	0297	2.560	0.0200				2			0
165.10	Sucrose, HPAEC PAD (%)	0353	3.560	0.8600				2			0
165.99	Sucrose, Miscellaneous (%)	0227	2.750	0.0800				1			0
166.10	Raffinose, HPAEC PAD (%)	0297	0.3800	0.0000				2			0
166.10	Raffinose, HPAEC PAD (%)	0353	0.5800	0.3200				2			0
166.99	Raffinose, Miscellaneous (%)	0227	0.4200	0.0200				1			0
167.10	Stachyose, HPAEC PAD (%)	0297	1.050	0.0000				2			0
167.10	Stachyose, HPAEC PAD (%)	0353	1.310	0.7000				2			0
167.99	Stachyose, Miscellaneous (%)	0227	1.385	0.0100				1			0
351.00	Chlortetracycline, Plate (ppm)	0218	4.499	0.1359				1			0
351.03	Chlortetracycline, LC (UV or FL) (ppm)	0038	4.280	0.7400				1			0
351.05	Chlortetracycline, LC-MS/MS (ppm)	0148	1.850	0.4600				2			0
351.05	Chlortetracycline, LC-MS/MS (ppm)	0875	2.750	0.1000				2			0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs			
386.02	Tiamulin, LC-MS/MS (ppm)	0875	0.1300	0.0200				1			0
388.05	Tylosin, LC-MS/MS (ppm)	0875	7.300	1.000				3			0
388.05	Tylosin, LC-MS/MS (ppm)	0218	7.420	3.420				3			0
388.05	Tylosin, LC-MS/MS (ppm)	0148	8.155	0.1100				3			0
400.01	Water Activity, Aqualab chilled mirror (Units)	2174	0.4850	0.0100	0.5066	0.0135	0.0040	9	-1.60	2%	0
400.01	Water Activity, Aqualab chilled mirror (Units)	0589	0.4995	0.0070	0.5066	0.0135	0.0040	9	-0.53	1%	0
400.01	Water Activity, Aqualab chilled mirror (Units)	0942	0.4995	0.0050	0.5066	0.0135	0.0040	9	-0.53	1%	0
400.01	Water Activity, Aqualab chilled mirror (Units)	2268	0.4995	0.0050	0.5066	0.0135	0.0040	9	-0.53	1%	0
400.01	Water Activity, Aqualab chilled mirror (Units)	0853	0.5071	0.0015	0.5066	0.0135	0.0040	9	0.03	0%	0
400.01	Water Activity, Aqualab chilled mirror (Units)	0123	0.5100	0.0000	0.5066	0.0135	0.0040	9	0.25	0%	0
400.01	Water Activity, Aqualab chilled mirror (Units)	0407	0.5134	0.0005	0.5066	0.0135	0.0040	9	0.50	1%	0
400.01	Water Activity, Aqualab chilled mirror (Units)	2303	0.5175	0.0030	0.5066	0.0135	0.0040	9	0.80	1%	0
400.01	Water Activity, Aqualab chilled mirror (Units)	2114	0.5456	0.0005	0.5066	0.0135	0.0040	9	2.87	4%	0
400.01	Water Activity, Aqualab chilled mirror (Units)	2386	0.3840	0.0920	0.5066	0.0135	0.0040	9	-9.05	12%	1
400.99	Water Activity, Miscellaneous (Units)	2388	0.4700	0.0020				2			0
400.99	Water Activity, Miscellaneous (Units)	2387	0.4830	0.0260				2			0
516.00	Arsenic, Total (As), AA, Hydride (ppm)	0045	0.0690	0.0040				1			0
516.43	Arsenic, Total (As), ICP, Microwave (ppm)	0682	< 20					0			5
516.52	Arsenic, Total (As), ICP-MS, Open vessel (ppm)	0186	0.0504	0.0020				1			0
516.53	Arsenic, Total (As), ICP-MS, Microwave (ppm)	0553	0.0547	0.0033				3			0
516.53	Arsenic, Total (As), ICP-MS, Microwave (ppm)	0227	0.0610	0.0020				3			0
516.53	Arsenic, Total (As), ICP-MS, Microwave (ppm)	0407	0.0612	0.0103				3			0
518.41	Cadmium, ICP, Dry ash (ppm)	0407	0.0463	0.0070				1			0
518.43	Cadmium, ICP, Microwave (ppm)	0407	0.0553	0.0090				2			0
518.43	Cadmium, ICP, Microwave (ppm)	0682	0.0800	0.0000				2			0
518.52	Cadmium, ICP-MS, Open vessel (ppm)	0186	0.0499	0.0009				1			0
518.53	Cadmium, ICP-MS, Microwave (ppm)	0227	0.0485	0.0050				3			0
518.53	Cadmium, ICP-MS, Microwave (ppm)	0553	0.0505	0.0012				3			0
518.53	Cadmium, ICP-MS, Microwave (ppm)	0407	0.0538	0.0028				3			0
520.41	Chromium, Total (Cr), ICP, Dry ash (ppm)	0407	1.873	0.0099				1			0
520.42	Chromium, Total (Cr), ICP, Open vessel (ppm)	0045	3.380	0.3400				1			0
520.43	Chromium, Total (Cr), ICP, Microwave (ppm)	0407	2.206	0.0052	3.217	0.7556	0.0250	7	-1.34	16%	0
520.43	Chromium, Total (Cr), ICP, Microwave (ppm)	0968	2.595	0.0100	3.217	0.7556	0.0250	7	-0.82	10%	0
520.43	Chromium, Total (Cr), ICP, Microwave (ppm)	0297	3.000	0.0000	3.217	0.7556	0.0250	7	-0.29	3%	0
520.43	Chromium, Total (Cr), ICP, Microwave (ppm)	0510	3.240	0.0200	3.217	0.7556	0.0250	7	0.03	0%	0
520.43	Chromium, Total (Cr), ICP, Microwave (ppm)	0226	3.690	0.0800	3.217	0.7556	0.0250	7	0.63	7%	0
520.43	Chromium, Total (Cr), ICP, Microwave (ppm)	2481	3.705	0.0100	3.217	0.7556	0.0250	7	0.65	8%	0
520.43	Chromium, Total (Cr), ICP, Microwave (ppm)	0682	4.080	0.0000	3.217	0.7556	0.0250	7	1.14	13%	0
520.43	Chromium, Total (Cr), ICP, Microwave (ppm)	0964	2.910	0.1800	3.217	0.7556	0.0250	7	-0.41	5%	1
520.52	Chromium, Total (Cr), ICP-MS, Open vessel (ppm)	0186	1.469	0.0404				1			0
520.53	Chromium, Total (Cr), ICP-MS, Microwave (ppm)	0553	2.830	0.0400	3.043	0.2571	0.2281	4			0
520.53	Chromium, Total (Cr), ICP-MS, Microwave (ppm)	0227	2.865	0.4500	3.043	0.2571	0.2281	4			0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs			
520.53	Chromium, Total (Cr), ICP-MS, Microwave (ppr	0939	3.090	0.1400	3.043	0.2571	0.2281	4			0
520.53	Chromium, Total (Cr), ICP-MS, Microwave (ppr	0407	3.388	0.2824	3.043	0.2571	0.2281	4			0
526.41	Lead, ICP, Dry ash (ppm)	0407	0.2037	0.0641				1			0
526.43	Lead, ICP, Microwave (ppm)	0407	0.0640	0.0172				2			0
526.43	Lead, ICP, Microwave (ppm)	0682	2.270	0.0000				2			0
526.52	Lead, ICP-MS, Open vessel (ppm)	0186	0.0702	0.0002				1			0
526.53	Lead, ICP-MS, Microwave (ppm)	0407	0.0339	0.0631				3			0
526.53	Lead, ICP-MS, Microwave (ppm)	0227	0.0655	0.0010				3			0
526.53	Lead, ICP-MS, Microwave (ppm)	0553	0.0668	0.0021				3			0
529.99	Mercury, Miscellaneous (ppb)	0407	0.1809	0.1927				2			0
529.99	Mercury, Miscellaneous (ppb)	0682	2,380	0.0000				2			0
529.99	Mercury, Miscellaneous (ppb)	0227	< 10					2			5
539.41	Nickel, ICP, Dry ash (ppm)	0407	1.953	0.0268				1			0
539.43	Nickel, ICP, Microwave (ppm)	0297	2.000	0.0000	2.611	0.7613	0.2144	4			0
539.43	Nickel, ICP, Microwave (ppm)	0407	2.025	0.2888	2.611	0.7613	0.2144	4			0
539.43	Nickel, ICP, Microwave (ppm)	2481	2.820	0.1400	2.611	0.7613	0.2144	4			0
539.43	Nickel, ICP, Microwave (ppm)	0682	3.600	0.0000	2.611	0.7613	0.2144	4			0
539.43	Nickel, ICP, Microwave (ppm)	0226	10.17	0.0000	2.611	0.7613	0.2144	4			2
539.52	Nickel, ICP-MS, Open vessel (ppm)	0186	1.745	0.0700				1			0
539.53	Nickel, ICP-MS, Microwave (ppm)	0553	2.395	0.0300				3			0
539.53	Nickel, ICP-MS, Microwave (ppm)	0939	2.455	0.1500				3			0
539.53	Nickel, ICP-MS, Microwave (ppm)	0407	2.835	0.0396				3			0
710.99	Lauric Acid (12:0), Miscellaneous (% (w/w))	0226	< 0.005					0			5
714.99	Myristic Acid (14:0), Miscellaneous (% (w/w))	0226	< 0.005					0			5
716.99	Palmitic Acid (16:0), Miscellaneous (% (w/w))	0226	0.5162	0.0023				1			0
718.99	Palmitoleic Acid (9c-16:1), Miscellaneous (% (w/w))	0226	0.0058	0.0001				1			0
722.99	Stearic Acid (18:0), Miscellaneous (% (w/w))	0226	0.0710	0.0034				1			0
724.99	Oleic Acid (9c-18:1), Miscellaneous (% (w/w))	0226	0.7631	0.0045				1			0
726.99	Linoleic Acid (9c,12c-18:2), Miscellaneous (% (w/w))	0226	1.702	0.0006				1			0
728.99	alpha-Linolenic Acid (9c,12c,15c-18:3), Miscellaneous (% (w/w))	0226	0.0992	0.0004				1			0
730.99	Arachidic Acid (20:0), Miscellaneous (% (w/w))	0226	0.0103	0.0001				1			0
732.99	Gondoic Acid (11c-20:1), Miscellaneous (% (w/w))	0226	0.0124	0.0000				1			0
740.99	Eicosapentaenoic Acid EPA (5c,8c,11c,14c,17c)	0226	< 0.005					0			5
742.99	Behenic Acid (22:0), Miscellaneous (% (w/w))	0226	0.0070	0.0001				1			0
744.99	Erucic Acid (13c-22:1), Miscellaneous (% (w/w))	0226	< 0.005					0			5
746.99	Docosapentaenoic Acid n-3 DPA (7c,10c,13c,16c,19c)	0226	< 0.005					0			5
748.99	Lignoceric Acid (24:0), Miscellaneous (% (w/w))	0226	0.0093	0.0002				1			0
750.99	Docosahexaenoic Acid DHA (4c,7c,10c,13c,16c,19c,22c)	0226	< 0.005					0			5
752.99	Nervonic Acid (24:1) isomers, Miscellaneous (% (w/w))	0226	< 0.005					0			5
772.99	Total Fatty Acids, Miscellaneous (% (w/w))	0226	3.196	0.0108				1			0

Note 1: Interpreting Z Scores: Red indicates a normally distributed Z value >3 or <-3 (requires action), Orange = Z between 2 and 3 or between -2 and -3 (warning) and Green = Z <= 2 and >= -2 (OK at 95%).

Test Material Code # 202524			Method Proficiency Testing Report							Issue Date : 05/31/2025		
Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT Z Score	Threshold %RSD	Flag	
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs				
Note 2: Data Not Used Flags: 1=Rejected for duplicates too far apart, 2=Rejected as extreme outlier, 5=Reporting limit (<), 4=Zeros submitted as values and 3=Statistical problem. Flag 0 indicates data used in calculations.												
Note 3: *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). A zero range is not included in robust R-bar calculation.												