



**AAFCO**  
Proficiency Testing Program



Cheese Powder

Pet Food Scheme

# Labs Reporting: 53

Test Material Code # 201643

**Method Proficiency Testing Report**

Issue Date : 10/31/2016

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0017	2.8000	0.20000	3.6399	0.63285	0.09860	5	-1.33	12%	0
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0034	3.2500	0.08000	3.6399	0.63285	0.09860	5	-0.62	5%	0
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0309	3.6495	0.07300	3.6399	0.63285	0.09860	5	0.02	0%	0
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0033	4.2500	0.08000	3.6399	0.63285	0.09860	5	0.96	8%	0
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0504	4.2500	0.06000	3.6399	0.63285	0.09860	5	0.96	8%	0
001.03	Loss on Drying, Low temp. methods (%)	2124	3.4950	0.03000				1			0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0098	3.6200	0.06000	4.0175	0.27573	0.11530	9	-1.44	5%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0074	3.8200	0.06000	4.0175	0.27573	0.11530	9	-0.72	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0035	3.8650	0.03000	4.0175	0.27573	0.11530	9	-0.55	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0003	3.9350	0.05000	4.0175	0.27573	0.11530	9	-0.30	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0171	3.9700	0.02000	4.0175	0.27573	0.11530	9	-0.17	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2033	4.1600	0.10000	4.0175	0.27573	0.11530	9	0.52	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2115	4.1616	0.02770	4.0175	0.27573	0.11530	9	0.52	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0613	4.1950	0.25000	4.0175	0.27573	0.11530	9	0.64	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0845	7.1700	0.44000	4.0175	0.27573	0.11530	9	11.43	39%	0
001.99	Loss on Drying, Miscellaneous (%)	0510	3.5500	0.10000				3			0
001.99	Loss on Drying, Miscellaneous (%)	0208	3.8150	0.03000				3			0
001.99	Loss on Drying, Miscellaneous (%)	0914	4.2300	0.02000				3			0
002.00	Protein, Crude (%)	0845	15.675	0.11000				1			0
002.01	Protein, Auto Kjell-Foss (%)	0164	14.645	0.19000				2			0
002.01	Protein, Auto Kjell-Foss (%)	0870	14.658	0.03500				2			0
002.04	Protein, Copper Catalyst (%)	0504	14.630	0.20000				2			0
002.04	Protein, Copper Catalyst (%)	2122	15.380	0.00000				2			0
002.05	Protein, Copper, Boric Acid (%)	0015	14.645	0.27000				3			0
002.05	Protein, Copper, Boric Acid (%)	2115	14.723	0.03000				3			0
002.05	Protein, Copper, Boric Acid (%)	0943	14.800	0.18000				3			0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0098	14.350	0.30000	15.036	0.25114	0.08806	36	-2.73	2%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2136	14.474	0.09200	15.036	0.25114	0.08806	36	-2.24	2%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0047	14.505	0.17000	15.036	0.25114	0.08806	36	-2.11	2%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0957	14.740	0.00000	15.036	0.25114	0.08806	36	-1.18	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0014	14.750	0.10000	15.036	0.25114	0.08806	36	-1.14	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0164	14.790	0.16000	15.036	0.25114	0.08806	36	-0.98	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0870	14.792	0.07560	15.036	0.25114	0.08806	36	-0.97	1%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
002.06	Protein, Combustion Nitrogen Analyzer (%)	0027	14.880	0.02000	15.036	0.25114	0.08806	36	-0.62	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0074	14.890	0.08000	15.036	0.25114	0.08806	36	-0.58	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	1019	14.890	0.16000	15.036	0.25114	0.08806	36	-0.58	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2016	14.890	0.08000	15.036	0.25114	0.08806	36	-0.58	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0051	14.950	0.10000	15.036	0.25114	0.08806	36	-0.34	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2050	14.955	0.01000	15.036	0.25114	0.08806	36	-0.32	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0171	14.960	0.04000	15.036	0.25114	0.08806	36	-0.30	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0003	14.964	0.03200	15.036	0.25114	0.08806	36	-0.29	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0407	14.971	0.25000	15.036	0.25114	0.08806	36	-0.26	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0035	14.975	0.17000	15.036	0.25114	0.08806	36	-0.24	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0959	15.020	0.04000	15.036	0.25114	0.08806	36	-0.06	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2089	15.030	0.02000	15.036	0.25114	0.08806	36	-0.02	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0613	15.040	0.12000	15.036	0.25114	0.08806	36	0.02	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0650	15.065	0.05000	15.036	0.25114	0.08806	36	0.12	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0026	15.075	0.15000	15.036	0.25114	0.08806	36	0.16	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0964	15.079	0.11800	15.036	0.25114	0.08806	36	0.17	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2124	15.100	0.02000	15.036	0.25114	0.08806	36	0.25	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0033	15.150	0.10000	15.036	0.25114	0.08806	36	0.45	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0510	15.200	0.00000	15.036	0.25114	0.08806	36	0.65	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0309	15.207	0.01750	15.036	0.25114	0.08806	36	0.68	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0034	15.211	0.14500	15.036	0.25114	0.08806	36	0.69	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2023	15.250	0.00000	15.036	0.25114	0.08806	36	0.85	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0876	15.305	0.11000	15.036	0.25114	0.08806	36	1.07	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0202	15.325	0.01000	15.036	0.25114	0.08806	36	1.15	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0808	15.350	0.08000	15.036	0.25114	0.08806	36	1.25	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2033	15.350	0.06000	15.036	0.25114	0.08806	36	1.25	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0511	15.370	0.14000	15.036	0.25114	0.08806	36	1.33	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0504	15.390	0.10000	15.036	0.25114	0.08806	36	1.41	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0001	15.405	0.05000	15.036	0.25114	0.08806	36	1.47	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0880	14.655	1.0900	15.036	0.25114	0.08806	36	-1.52	1%	1
002.08	Protein, Cu/Ti (%)	0098	14.770	0.02000				2			0
002.08	Protein, Cu/Ti (%)	0208	15.250	0.10000				2			0
002.99	Protein, Miscellaneous (%)	0970	14.850	0.10000				1			0
003.00	Fat, Eth Ext., Direct (%)	0017	5.1000	0.20000				3			0
003.00	Fat, Eth Ext., Direct (%)	2033	7.9100	0.44000				3			0
003.00	Fat, Eth Ext., Direct (%)	0309	22.389	1.1865				3			0
003.06	Fat, Pet Ether (%)	0164	1.0000	0.04000				3			0
003.06	Fat, Pet Ether (%)	0511	1.1900	0.00000				3			0
003.06	Fat, Pet Ether (%)	0074	26.805	0.51000				3			0
003.10	Fat, Soxtec, Pet Ether (%)	0870	1.0437	0.00280				3			0
003.10	Fat, Soxtec, Pet Ether (%)	2124	1.4000	0.04000				3			0

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			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
003.10	Fat, Soxtec, Pet Ether (%)	0051	1.4500	0.30000				3			0
003.12	Fat, Hexane Ext (%)	0171	0.92000	0.02000				1			0
003.14	Fat, Ankom (%)	0202	0.66000	0.00000				3			0
003.14	Fat, Ankom (%)	0613	3.3750	0.89000				3			0
003.14	Fat, Ankom (%)	0876	25.300	0.82000				3			0
003.99	Fat, Miscellaneous (%)	1019	27.115	0.45000				2			0
003.99	Fat, Miscellaneous (%)	2122	27.500	0.00000				2			0
004.00	Fiber, Crude, Asbestos Free (%)	0943	0.28000	0.04000	0.32167	0.03686	0.08000	4	-1.13	6%	0
004.00	Fiber, Crude, Asbestos Free (%)	0171	0.33500	0.07000	0.32167	0.03686	0.08000	4	0.36	2%	0
004.00	Fiber, Crude, Asbestos Free (%)	0309	0.35000	0.10000	0.32167	0.03686	0.08000	4	0.77	4%	0
004.00	Fiber, Crude, Asbestos Free (%)	0208	1.7750	0.11000	0.32167	0.03686	0.08000	4	39.43	226%	0
004.00	Fiber, Crude, Asbestos Free (%)	2023	0.00000	0.00000	0.32167	0.03686	0.08000	4			4
004.03	Fiber, Fritted Glass (%)	2033	1.7500	0.10000				1			0
004.06	Fiber, Fibertec (%)	2115	0.10250	0.00100				2			0
004.06	Fiber, Fibertec (%)	0845	0.84500	0.23000				2			0
004.07	Fiber, ANKOM (%)	0202	0.01000	0.00000	0.71589	0.76697	0.04094	7	-0.92	49%	0
004.07	Fiber, ANKOM (%)	2115	0.17605	0.00210	0.71589	0.76697	0.04094	7	-0.70	38%	0
004.07	Fiber, ANKOM (%)	2124	0.24000	0.04000	0.71589	0.76697	0.04094	7	-0.62	33%	0
004.07	Fiber, ANKOM (%)	0870	0.46670	0.03940	0.71589	0.76697	0.04094	7	-0.32	17%	0
004.07	Fiber, ANKOM (%)	2125	1.0700	0.02000	0.71589	0.76697	0.04094	7	0.46	25%	0
004.07	Fiber, ANKOM (%)	0407	1.1822	0.08510	0.71589	0.76697	0.04094	7	0.61	33%	0
004.07	Fiber, ANKOM (%)	0510	2.1500	0.10000	0.71589	0.76697	0.04094	7	1.87	100%	0
005.00	Ash, 2h @ 600°C (%)	0964	12.257	0.09100	12.498	0.07671	0.06869	30	-3.15	1%	0
005.00	Ash, 2h @ 600°C (%)	1019	12.399	0.00250	12.498	0.07671	0.06869	30	-1.28	0%	0
005.00	Ash, 2h @ 600°C (%)	0845	12.405	0.25000	12.498	0.07671	0.06869	30	-1.21	0%	0
005.00	Ash, 2h @ 600°C (%)	0047	12.405	0.05000	12.498	0.07671	0.06869	30	-1.21	0%	0
005.00	Ash, 2h @ 600°C (%)	2115	12.416	0.00500	12.498	0.07671	0.06869	30	-1.07	0%	0
005.00	Ash, 2h @ 600°C (%)	2016	12.420	0.04000	12.498	0.07671	0.06869	30	-1.02	0%	0
005.00	Ash, 2h @ 600°C (%)	0650	12.435	0.03000	12.498	0.07671	0.06869	30	-0.82	0%	0
005.00	Ash, 2h @ 600°C (%)	0026	12.445	0.03000	12.498	0.07671	0.06869	30	-0.69	0%	0
005.00	Ash, 2h @ 600°C (%)	0164	12.455	0.09000	12.498	0.07671	0.06869	30	-0.56	0%	0
005.00	Ash, 2h @ 600°C (%)	0309	12.466	0.07100	12.498	0.07671	0.06869	30	-0.42	0%	0
005.00	Ash, 2h @ 600°C (%)	0808	12.485	0.21000	12.498	0.07671	0.06869	30	-0.17	0%	0
005.00	Ash, 2h @ 600°C (%)	0035	12.490	0.08000	12.498	0.07671	0.06869	30	-0.10	0%	0
005.00	Ash, 2h @ 600°C (%)	0510	12.490	0.10000	12.498	0.07671	0.06869	30	-0.10	0%	0
005.00	Ash, 2h @ 600°C (%)	0511	12.490	0.06000	12.498	0.07671	0.06869	30	-0.10	0%	0
005.00	Ash, 2h @ 600°C (%)	0943	12.490	0.00000	12.498	0.07671	0.06869	30	-0.10	0%	0
005.00	Ash, 2h @ 600°C (%)	0407	12.491	0.06850	12.498	0.07671	0.06869	30	-0.09	0%	0
005.00	Ash, 2h @ 600°C (%)	2033	12.500	0.00000	12.498	0.07671	0.06869	30	0.03	0%	0
005.00	Ash, 2h @ 600°C (%)	0504	12.505	0.07000	12.498	0.07671	0.06869	30	0.09	0%	0
005.00	Ash, 2h @ 600°C (%)	0553	12.505	0.15000	12.498	0.07671	0.06869	30	0.09	0%	0

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			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
005.00	Ash, 2h @ 600°C (%)	0880	12.505	0.05000	12.498	0.07671	0.06869	30	0.09	0%	0
005.00	Ash, 2h @ 600°C (%)	0957	12.530	0.06000	12.498	0.07671	0.06869	30	0.42	0%	0
005.00	Ash, 2h @ 600°C (%)	0001	12.535	0.06440	12.498	0.07671	0.06869	30	0.48	0%	0
005.00	Ash, 2h @ 600°C (%)	0870	12.548	0.03820	12.498	0.07671	0.06869	30	0.65	0%	0
005.00	Ash, 2h @ 600°C (%)	0027	12.565	0.01000	12.498	0.07671	0.06869	30	0.87	0%	0
005.00	Ash, 2h @ 600°C (%)	0098	12.575	0.01000	12.498	0.07671	0.06869	30	1.01	0%	0
005.00	Ash, 2h @ 600°C (%)	0171	12.580	0.04000	12.498	0.07671	0.06869	30	1.07	0%	0
005.00	Ash, 2h @ 600°C (%)	0017	12.600	0.00000	12.498	0.07671	0.06869	30	1.33	0%	0
005.00	Ash, 2h @ 600°C (%)	0051	12.600	0.20000	12.498	0.07671	0.06869	30	1.33	0%	0
005.00	Ash, 2h @ 600°C (%)	2089	12.630	0.14000	12.498	0.07671	0.06869	30	1.72	1%	0
005.00	Ash, 2h @ 600°C (%)	0876	12.855	0.05000	12.498	0.07671	0.06869	30	4.66	1%	0
005.00	Ash, 2h @ 600°C (%)	0959	12.640	0.46000	12.498	0.07671	0.06869	30	1.85	1%	1
005.00	Ash, 2h @ 600°C (%)	0034	23.497	0.03400	12.498	0.07671	0.06869	30	143.39	44%	2
005.05	Ash, 3h @ 550°C (%)	2124	12.280	0.02000	12.434	0.13823	0.15750	4	-1.11	1%	0
005.05	Ash, 3h @ 550°C (%)	0845	12.405	0.25000	12.434	0.13823	0.15750	4	-0.21	0%	0
005.05	Ash, 3h @ 550°C (%)	2136	12.435	0.03000	12.434	0.13823	0.15750	4	0.01	0%	0
005.05	Ash, 3h @ 550°C (%)	2050	12.615	0.33000	12.434	0.13823	0.15750	4	1.31	1%	0
005.99	Ash, Miscellaneous (%)	0202	12.340	0.00000	12.503	0.16661	0.05600	5	-0.98	1%	0
005.99	Ash, Miscellaneous (%)	0208	12.400	0.20000	12.503	0.16661	0.05600	5	-0.62	0%	0
005.99	Ash, Miscellaneous (%)	0970	12.400	0.00000	12.503	0.16661	0.05600	5	-0.62	0%	0
005.99	Ash, Miscellaneous (%)	0613	12.560	0.06000	12.503	0.16661	0.05600	5	0.35	0%	0
005.99	Ash, Miscellaneous (%)	2023	12.710	0.02000	12.503	0.16661	0.05600	5	1.25	1%	0
006.01	Total sugars, Mod. Fehling Soln (%)	0407	32.670	0.08000				1			0
006.99	Total sugars, Miscellaneous (%)	0970	29.400	0.00000				3			0
006.99	Total sugars, Miscellaneous (%)	2136	30.215	0.47100				3			0
006.99	Total sugars, Miscellaneous (%)	2114	32.901	0.29390				3			0
008.02	Fiber, Acid Detergent (%)	2115	0.07900	0.01800				2			0
008.02	Fiber, Acid Detergent (%)	0504	0.22500	0.03000				2			0
008.02	Fiber, Acid Detergent (%)	0309	0.00000	0.00000				2			4
008.08	Fiber, Acid Detergent, ANKOM (%)	0407	0.18785	0.02170				1			0
009.07	Fiber, Neutral Det-ENZ Pretreat (%)	0309	0.00000	0.00000				0			4
009.09	Fiber, Neutral Detergent, ANKOM (%)	0407	0.20910	0.00220				1			0
010.03	Moisture, Karl-Fischer (%)	0164	4.6550	0.09000				1			0
010.99	Moisture, Miscellaneous (%)	0964	3.4800	0.27800	5.9500	3.2567	0.16633	6	-0.76	21%	0
010.99	Moisture, Miscellaneous (%)	2089	3.5550	0.19000	5.9500	3.2567	0.16633	6	-0.74	20%	0
010.99	Moisture, Miscellaneous (%)	0970	3.9500	0.04000	5.9500	3.2567	0.16633	6	-0.61	17%	0
010.99	Moisture, Miscellaneous (%)	0943	6.1600	0.04000	5.9500	3.2567	0.16633	6	0.06	2%	0
010.99	Moisture, Miscellaneous (%)	2122	8.0100	0.00000	5.9500	3.2567	0.16633	6	0.63	17%	0
010.99	Moisture, Miscellaneous (%)	0808	10.545	0.45000	5.9500	3.2567	0.16633	6	1.41	39%	0
011.01	Loss on Drying, 135°C 2hr (%)	1019	3.4700	0.04000	8.7216	0.75889	0.23001	19	-6.92	30%	0
011.01	Loss on Drying, 135°C 2hr (%)	0870	6.5999	0.88190	8.7216	0.75889	0.23001	19	-2.80	12%	0

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			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
011.01	Loss on Drying, 135°C 2hr (%)	0959	7.2000	0.20000	8.7216	0.75889	0.23001	19	-2.01	9%	0
011.01	Loss on Drying, 135°C 2hr (%)	0051	7.9850	0.15000	8.7216	0.75889	0.23001	19	-0.97	4%	0
011.01	Loss on Drying, 135°C 2hr (%)	0026	8.3050	0.33000	8.7216	0.75889	0.23001	19	-0.55	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0098	8.5150	0.21000	8.7216	0.75889	0.23001	19	-0.27	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0511	8.6200	0.00000	8.7216	0.75889	0.23001	19	-0.13	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0553	8.6350	0.03000	8.7216	0.75889	0.23001	19	-0.11	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0957	8.6950	0.15000	8.7216	0.75889	0.23001	19	-0.04	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0650	8.7050	0.29000	8.7216	0.75889	0.23001	19	-0.02	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0876	8.8100	0.10000	8.7216	0.75889	0.23001	19	0.12	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0202	8.9600	0.04000	8.7216	0.75889	0.23001	19	0.31	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0407	9.1863	0.01830	8.7216	0.75889	0.23001	19	0.61	3%	0
011.01	Loss on Drying, 135°C 2hr (%)	0171	9.2250	0.17000	8.7216	0.75889	0.23001	19	0.66	3%	0
011.01	Loss on Drying, 135°C 2hr (%)	0164	9.2300	0.10000	8.7216	0.75889	0.23001	19	0.67	3%	0
011.01	Loss on Drying, 135°C 2hr (%)	0047	9.4200	0.92000	8.7216	0.75889	0.23001	19	0.92	4%	0
011.01	Loss on Drying, 135°C 2hr (%)	2016	9.4350	0.47000	8.7216	0.75889	0.23001	19	0.94	4%	0
011.01	Loss on Drying, 135°C 2hr (%)	0309	9.5850	0.17000	8.7216	0.75889	0.23001	19	1.14	5%	0
011.01	Loss on Drying, 135°C 2hr (%)	0510	9.6500	0.10000	8.7216	0.75889	0.23001	19	1.22	5%	0
011.01	Loss on Drying, 135°C 2hr (%)	0880	7.6600	2.1000	8.7216	0.75889	0.23001	19	-1.40	6%	1
011.01	Loss on Drying, 135°C 2hr (%)	0943	93.840	0.04000	8.7216	0.75889	0.23001	19	112.16	488%	2
011.02	Loss on Drying, 130°C for 2 hours (%)	2023	3.6400	0.04000				2			0
011.02	Loss on Drying, 130°C for 2 hours (%)	2083	8.1915	0.38300				2			0
012.00	Starch, Polarimetric (Ewers) (%)	2023	0.30000	0.00000				1			0
012.01	Starch, Megazyme (%)	0164	5.6000	0.40000				2			0
012.01	Starch, Megazyme (%)	0870	9.5350	0.82190				2			0
012.02	Starch, Colorimetric (GOP) (%)	2089	10.660	0.14000				1			0
012.03	Starch, Enzymatic (%)	0098	8.3700	0.68000				2			0
012.03	Starch, Enzymatic (%)	0407	8.6555	0.01850				2			0
013.00	Fat, Acid hydrolysis (%)	2136	25.595	0.81000	26.946	1.0239	0.61563	11	-1.32	3%	0
013.00	Fat, Acid hydrolysis (%)	0208	25.600	2.8000	26.946	1.0239	0.61563	11	-1.31	2%	0
013.00	Fat, Acid hydrolysis (%)	0504	25.990	1.7200	26.946	1.0239	0.61563	11	-0.93	2%	0
013.00	Fat, Acid hydrolysis (%)	0970	26.550	0.10000	26.946	1.0239	0.61563	11	-0.39	1%	0
013.00	Fat, Acid hydrolysis (%)	0407	26.826	0.15300	26.946	1.0239	0.61563	11	-0.12	0%	0
013.00	Fat, Acid hydrolysis (%)	0309	27.277	0.41890	26.946	1.0239	0.61563	11	0.32	1%	0
013.00	Fat, Acid hydrolysis (%)	0098	27.415	0.05000	26.946	1.0239	0.61563	11	0.46	1%	0
013.00	Fat, Acid hydrolysis (%)	2016	27.580	0.22000	26.946	1.0239	0.61563	11	0.62	1%	0
013.00	Fat, Acid hydrolysis (%)	2023	27.595	0.49000	26.946	1.0239	0.61563	11	0.63	1%	0
013.00	Fat, Acid hydrolysis (%)	0202	27.755	0.01000	26.946	1.0239	0.61563	11	0.79	2%	0
013.00	Fat, Acid hydrolysis (%)	2089	28.220	0.00000	26.946	1.0239	0.61563	11	1.24	2%	0
013.02	Fat, Mojonniier, Bak Ext (%)	0160	21.300	0.20000	27.466	0.28445	0.17374	14	-21.68	11%	0
013.02	Fat, Mojonniier, Bak Ext (%)	0047	25.550	0.02000	27.466	0.28445	0.17374	14	-6.74	3%	0
013.02	Fat, Mojonniier, Bak Ext (%)	0026	27.245	0.07000	27.466	0.28445	0.17374	14	-0.78	0%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
013.02	Fat, Mojonnier, Bak Ext (%)	0171	27.325	0.09000	27.466	0.28445	0.17374	14	-0.50	0%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0957	27.420	0.22000	27.466	0.28445	0.17374	14	-0.16	0%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0164	27.430	0.06000	27.466	0.28445	0.17374	14	-0.13	0%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0001	27.480	0.42090	27.466	0.28445	0.17374	14	0.05	0%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0870	27.496	0.06150	27.466	0.28445	0.17374	14	0.11	0%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0650	27.510	0.14000	27.466	0.28445	0.17374	14	0.16	0%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0964	27.510	0.30000	27.466	0.28445	0.17374	14	0.16	0%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0051	27.650	0.10000	27.466	0.28445	0.17374	14	0.65	0%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0959	27.680	0.20000	27.466	0.28445	0.17374	14	0.75	0%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0553	27.805	0.53000	27.466	0.28445	0.17374	14	1.19	1%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0943	28.350	0.02000	27.466	0.28445	0.17374	14	3.11	2%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0808	29.940	1.0400	27.466	0.28445	0.17374	14	8.70	5%	1
013.03	Fat, Roese-Gottlieb (%)	0511	26.960	0.06000				1			0
013.08	Fat, Roese-Gottlieb Modified (%)	0510	26.510	0.06000				3			0
013.08	Fat, Roese-Gottlieb Modified (%)	0035	26.955	0.45000				3			0
013.08	Fat, Roese-Gottlieb Modified (%)	0033	27.400	0.00000				3			0
013.10	Fat, Soxtec-Acid Hydrolysis (%)	0613	18.565	0.33000	23.407	4.2209	0.42400	4	-1.15	10%	0
013.10	Fat, Soxtec-Acid Hydrolysis (%)	2124	22.000	1.2600	23.407	4.2209	0.42400	4	-0.33	3%	0
013.10	Fat, Soxtec-Acid Hydrolysis (%)	2115	25.346	0.06600	23.407	4.2209	0.42400	4	0.46	4%	0
013.10	Fat, Soxtec-Acid Hydrolysis (%)	0845	26.310	0.04000	23.407	4.2209	0.42400	4	0.69	6%	0
013.13	Fat, Ankom- Acid Hydrolysis (%)	0003	27.695	0.23000				2			0
013.13	Fat, Ankom- Acid Hydrolysis (%)	0015	28.205	0.69000				2			0
014.99	Fiber, total dietary TDF, Miscellaneous (%)	0164	11.200	0.40000				1			0
015.41	Aluminum, ICP, Dry ash (mg / kg (ppm))	0171	4.6500	0.50000				1			0
015.43	Aluminum, ICP, Microwave (mg / kg (ppm))	2033	1.6500	0.10000				1			0
017.43	Boron, ICP, Microwave (mg / kg (ppm))	0510	1.1150	0.01000				1			0
019.00	Calcium, Ox-Mn04 Vol. (%)	2115	0.33580	0.02220				1			0
019.31	Calcium, AAS, Dry ash (%)	0650	0.40100	0.01800				2			0
019.31	Calcium, AAS, Dry ash (%)	0014	0.41500	0.00200				2			0
019.32	Calcium, AAS, Open vessel (%)	0504	0.43400	0.01200				1			0
019.33	Calcium, AAS, Microwave (%)	0504	0.44800	0.03400				1			0
019.41	Calcium, ICP, Dry ash (%)	0098	0.40500	0.03000	0.42413	0.01802	0.01245	8	-1.06	2%	0
019.41	Calcium, ICP, Dry ash (%)	0511	0.41500	0.01000	0.42413	0.01802	0.01245	8	-0.51	1%	0
019.41	Calcium, ICP, Dry ash (%)	0051	0.41540	0.01460	0.42413	0.01802	0.01245	8	-0.48	1%	0
019.41	Calcium, ICP, Dry ash (%)	0208	0.41650	0.01900	0.42413	0.01802	0.01245	8	-0.42	1%	0
019.41	Calcium, ICP, Dry ash (%)	0171	0.42000	0.00000	0.42413	0.01802	0.01245	8	-0.23	0%	0
019.41	Calcium, ICP, Dry ash (%)	0164	0.42500	0.00600	0.42413	0.01802	0.01245	8	0.05	0%	0
019.41	Calcium, ICP, Dry ash (%)	0074	0.44500	0.01000	0.42413	0.01802	0.01245	8	1.16	2%	0
019.41	Calcium, ICP, Dry ash (%)	0407	0.45960	0.01000	0.42413	0.01802	0.01245	8	1.97	4%	0
019.42	Calcium, ICP, Open vessel (%)	0026	0.37000	0.00000	0.41871	0.03053	0.03226	5	-1.60	6%	0
019.42	Calcium, ICP, Open vessel (%)	0870	0.41505	0.09030	0.41871	0.03053	0.03226	5	-0.12	0%	0

Test Material Code # 201643

Method Proficiency Testing Report

Issue Date : 10/31/2016

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
019.42	Calcium, ICP, Open vessel (%)	0202	0.42000	0.00000	0.41871	0.03053	0.03226	5	0.04	0%	0
019.42	Calcium, ICP, Open vessel (%)	0613	0.44000	0.06000	0.41871	0.03053	0.03226	5	0.70	3%	0
019.42	Calcium, ICP, Open vessel (%)	0504	0.44850	0.01100	0.41871	0.03053	0.03226	5	0.98	4%	0
019.43	Calcium, ICP, Microwave (%)	0510	0.42000	0.00000	0.44365	0.01911	0.00938	12	-1.24	3%	0
019.43	Calcium, ICP, Microwave (%)	2136	0.42200	0.01400	0.44365	0.01911	0.00938	12	-1.13	2%	0
019.43	Calcium, ICP, Microwave (%)	2124	0.43000	0.00000	0.44365	0.01911	0.00938	12	-0.71	2%	0
019.43	Calcium, ICP, Microwave (%)	0034	0.43250	0.01320	0.44365	0.01911	0.00938	12	-0.58	1%	0
019.43	Calcium, ICP, Microwave (%)	0035	0.43500	0.01000	0.44365	0.01911	0.00938	12	-0.45	1%	0
019.43	Calcium, ICP, Microwave (%)	0098	0.43500	0.03000	0.44365	0.01911	0.00938	12	-0.45	1%	0
019.43	Calcium, ICP, Microwave (%)	0964	0.44995	0.00730	0.44365	0.01911	0.00938	12	0.33	1%	0
019.43	Calcium, ICP, Microwave (%)	2033	0.45000	0.00000	0.44365	0.01911	0.00938	12	0.33	1%	0
019.43	Calcium, ICP, Microwave (%)	0033	0.45500	0.01000	0.44365	0.01911	0.00938	12	0.59	1%	0
019.43	Calcium, ICP, Microwave (%)	2089	0.46000	0.00000	0.44365	0.01911	0.00938	12	0.86	2%	0
019.43	Calcium, ICP, Microwave (%)	2023	0.46200	0.00800	0.44365	0.01911	0.00938	12	0.96	2%	0
019.43	Calcium, ICP, Microwave (%)	0027	0.50000	0.02000	0.44365	0.01911	0.00938	12	2.95	6%	0
019.44	Calcium, ICP, Dry ash (%)	2114	0.33825	0.00550				3			0
019.44	Calcium, ICP, Dry ash (%)	2122	0.41830	0.00000				3			0
019.44	Calcium, ICP, Dry ash (%)	0970	0.42450	0.00100				3			0
019.52	Calcium, ICP-MS, Open vessel (%)	0047	0.48500	0.03000				1			0
019.53	Calcium, ICP-MS, Microwave (%)	0553	0.48950	0.04500				1			0
019.99	Calcium, Miscellaneous (%)	0035	0.43500	0.01000				1			0
021.41	Cobalt, ICP, Dry ash (mg / kg (ppm))	0171	9.5000	0.20000				1			0
021.43	Cobalt, ICP, Microwave (mg / kg (ppm))	0964	0.01970	0.00280				1			0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0407	0.26745	0.03750	1.1185	0.75760	0.15350	5	-1.12	38%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0051	0.93000	0.26000	1.1185	0.75760	0.15350	5	-0.25	8%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0074	1.0000	0.00000	1.1185	0.75760	0.15350	5	-0.16	5%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0511	1.0450	0.17000	1.1185	0.75760	0.15350	5	-0.10	3%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0171	2.3500	0.30000	1.1185	0.75760	0.15350	5	1.63	55%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0098	0.00000	0.00000	1.1185	0.75760	0.15350	5			4
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0870	0.29980	0.48580				3			0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0613	0.57500	0.29000				3			0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0202	5.0100	0.00000				3			0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	2089	0.40000	0.02000				2			0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0964	0.96160	0.01020				2			0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0098	0.00000	0.00000				2			4
022.43	Copper, ICP, Microwave (mg / kg (ppm))	2124	0.00000	0.00000				2			4
022.44	Copper, ICP, Dry ash (mg / kg (ppm))	0970	0.05000	0.02200				1			0
022.53	Copper, ICP-MS, Microwave (mg / kg (ppm))	2136	0.14300	0.01000				2			0
022.53	Copper, ICP-MS, Microwave (mg / kg (ppm))	2023	0.22000	0.02000				2			0
024.99	Iodine, Miscellaneous (mg / kg (ppm))	0970	1.6450	0.21000				1			0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0970	1.4850	0.15000	3.1436	1.3135	0.35813	7	-1.26	26%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	2122	1.7080	0.00000	3.1436	1.3135	0.35813	7	-1.09	23%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0511	3.1600	0.18000	3.1436	1.3135	0.35813	7	0.01	0%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0051	3.5000	1.0000	3.1436	1.3135	0.35813	7	0.27	6%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0074	3.5000	1.0000	3.1436	1.3135	0.35813	7	0.27	6%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0407	4.0208	0.14190	3.1436	1.3135	0.35813	7	0.67	14%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	2114	4.6315	0.03500	3.1436	1.3135	0.35813	7	1.13	24%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0098	0.00000	0.00000	3.1436	1.3135	0.35813	7			4
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0870	13.217	14.026				1			0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0613	0.00000	0.00000				1			4
025.43	Iron, ICP, Microwave (mg / kg (ppm))	2033	1.4000	0.20000	2.7583	1.2550	0.07950	4	-1.08	25%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0510	3.0000	0.00000	2.7583	1.2550	0.07950	4	0.19	4%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0964	3.8748	0.04800	2.7583	1.2550	0.07950	4	0.89	20%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	2089	17.735	0.07000	2.7583	1.2550	0.07950	4	11.93	271%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0098	0.00000	0.00000	2.7583	1.2550	0.07950	4			4
025.43	Iron, ICP, Microwave (mg / kg (ppm))	2023	0.00000	0.00000	2.7583	1.2550	0.07950	4			4
025.43	Iron, ICP, Microwave (mg / kg (ppm))	2124	0.00000	0.00000	2.7583	1.2550	0.07950	4			4
025.52	Iron, ICP-MS, Open vessel (mg / kg (ppm))	0047	5.7100	0.12000				1			0
027.31	Magnesium, AAS, Dry ash (%)	0650	0.04725	0.00030				1			0
027.32	Magnesium, AAS, Open vessel (%)	0504	0.04775	0.00010				1			0
027.33	Magnesium, AAS, Microwave (%)	0504	0.04975	0.00030				2			0
027.33	Magnesium, AAS, Microwave (%)	0035	0.05000	0.00000				2			0
027.41	Magnesium, ICP, Dry ash (%)	0164	0.04900	0.00000	0.05071	0.00273	0.00168	8	-0.63	2%	0
027.41	Magnesium, ICP, Dry ash (%)	0171	0.04900	0.00200	0.05071	0.00273	0.00168	8	-0.63	2%	0
027.41	Magnesium, ICP, Dry ash (%)	0051	0.04915	0.00110	0.05071	0.00273	0.00168	8	-0.57	2%	0
027.41	Magnesium, ICP, Dry ash (%)	0098	0.04945	0.00070	0.05071	0.00273	0.00168	8	-0.46	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0208	0.05000	0.00200	0.05071	0.00273	0.00168	8	-0.26	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0511	0.05000	0.00200	0.05071	0.00273	0.00168	8	-0.26	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0407	0.05430	0.00260	0.05071	0.00273	0.00168	8	1.31	4%	0
027.41	Magnesium, ICP, Dry ash (%)	0074	0.06650	0.00300	0.05071	0.00273	0.00168	8	5.78	16%	0
027.42	Magnesium, ICP, Open vessel (%)	0870	0.03990	0.01280				3			0
027.42	Magnesium, ICP, Open vessel (%)	0202	0.05000	0.00000				3			0
027.42	Magnesium, ICP, Open vessel (%)	0613	0.05000	0.00000				3			0
027.43	Magnesium, ICP, Microwave (%)	0034	0.04880	0.00540	0.05065	0.00138	0.00180	9	-1.34	2%	0
027.43	Magnesium, ICP, Microwave (%)	0035	0.05000	0.00000	0.05065	0.00138	0.00180	9	-0.47	1%	0
027.43	Magnesium, ICP, Microwave (%)	0510	0.05000	0.00000	0.05065	0.00138	0.00180	9	-0.47	1%	0
027.43	Magnesium, ICP, Microwave (%)	2089	0.05000	0.00000	0.05065	0.00138	0.00180	9	-0.47	1%	0
027.43	Magnesium, ICP, Microwave (%)	2124	0.05000	0.00000	0.05065	0.00138	0.00180	9	-0.47	1%	0
027.43	Magnesium, ICP, Microwave (%)	2136	0.05090	0.00260	0.05065	0.00138	0.00180	9	0.18	0%	0
027.43	Magnesium, ICP, Microwave (%)	0098	0.05140	0.00700	0.05065	0.00138	0.00180	9	0.55	1%	0
027.43	Magnesium, ICP, Microwave (%)	0964	0.05200	0.00040	0.05065	0.00138	0.00180	9	0.98	1%	0
027.43	Magnesium, ICP, Microwave (%)	2023	0.05440	0.00080	0.05065	0.00138	0.00180	9	2.72	4%	0



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Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
027.43	Magnesium, ICP, Microwave (%)	2033	550.00	20.000	0.05065	0.00138	0.00180	9	399079.46	542936%	2
027.44	Magnesium, ICP, Dry ash (%)	2122	0.04690	0.00000				2			0
027.44	Magnesium, ICP, Dry ash (%)	0970	0.04900	0.00020				2			0
027.53	Magnesium, ICP-MS, Microwave (%)	0553	0.05865	0.00470				1			0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0511	0.29000	0.04000	0.34241	0.07915	0.03028	4	-0.66	8%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0171	0.30000	0.00000	0.34241	0.07915	0.03028	4	-0.54	6%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0051	0.32000	0.06000	0.34241	0.07915	0.03028	4	-0.28	3%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0407	0.45965	0.02110	0.34241	0.07915	0.03028	4	1.48	17%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0098	0.00000	0.00000	0.34241	0.07915	0.03028	4			4
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0074	0.50000	1.0000	0.34241	0.07915	0.03028	4			4
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0870	0.40370	0.61500				2			0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0202	1.0000	0.00000				2			0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0613	0.04500	0.09000				2			4
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	2089	0.18500	0.11000	0.25750	0.01768	0.04068	4	-4.10	14%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	2124	0.24500	0.01000	0.25750	0.01768	0.04068	4	-0.71	2%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	2033	0.27000	0.02000	0.25750	0.01768	0.04068	4	0.71	2%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0964	1.0112	0.02270	0.25750	0.01768	0.04068	4	42.63	146%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0098	0.00000	0.00000	0.25750	0.01768	0.04068	4			4
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	2023	1.2500	2.5000	0.25750	0.01768	0.04068	4			4
028.44	Manganese, ICP, Dry ash (mg / kg (ppm))	0970	0.23450	0.01900				1			0
028.53	Manganese, ICP-MS, Microwave (mg / kg (ppm))	2136	0.21650	0.00300				1			0
031.01	Phosphorus, Photometric (%)	0650	0.98120	0.05560	0.98523	0.00391	0.04265	4	-1.03	0%	0
031.01	Phosphorus, Photometric (%)	0208	0.98550	0.06300	0.98523	0.00391	0.04265	4	0.07	0%	0
031.01	Phosphorus, Photometric (%)	2115	0.98900	0.00200	0.98523	0.00391	0.04265	4	0.96	0%	0
031.01	Phosphorus, Photometric (%)	0511	1.0550	0.05000	0.98523	0.00391	0.04265	4	17.86	4%	0
031.03	Phosphorus, Autoanalyzer (%)	0047	0.96000	0.02000				2			0
031.03	Phosphorus, Autoanalyzer (%)	0504	1.0250	0.01000				2			0
031.41	Phosphorus, ICP, Dry ash (%)	0074	0.94000	0.04000	0.99586	0.04486	0.02089	7	-1.25	3%	0
031.41	Phosphorus, ICP, Dry ash (%)	0098	0.96080	0.02680	0.99586	0.04486	0.02089	7	-0.78	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	0171	0.97000	0.00000	0.99586	0.04486	0.02089	7	-0.58	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0164	1.0000	0.02000	0.99586	0.04486	0.02089	7	0.09	0%	0
031.41	Phosphorus, ICP, Dry ash (%)	0051	1.0282	0.02120	0.99586	0.04486	0.02089	7	0.72	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	0208	1.0295	0.03700	0.99586	0.04486	0.02089	7	0.75	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	0407	1.0425	0.00120	0.99586	0.04486	0.02089	7	1.04	2%	0
031.42	Phosphorus, ICP, Open vessel (%)	0026	0.72500	0.05000	0.95140	0.13267	0.04600	5	-1.71	12%	0
031.42	Phosphorus, ICP, Open vessel (%)	0613	0.94000	0.12000	0.95140	0.13267	0.04600	5	-0.09	1%	0
031.42	Phosphorus, ICP, Open vessel (%)	0014	1.0200	0.02000	0.95140	0.13267	0.04600	5	0.52	4%	0
031.42	Phosphorus, ICP, Open vessel (%)	0202	1.0350	0.01000	0.95140	0.13267	0.04600	5	0.63	4%	0
031.42	Phosphorus, ICP, Open vessel (%)	0504	1.0370	0.03000	0.95140	0.13267	0.04600	5	0.65	4%	0
031.42	Phosphorus, ICP, Open vessel (%)	0870	0.86765	0.45070	0.95140	0.13267	0.04600	5	-0.63	4%	1
031.43	Phosphorus, ICP, Microwave (%)	0035	0.93500	0.01000	1.0350	0.08565	0.01984	10	-1.17	5%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
031.43	Phosphorus, ICP, Microwave (%)	0034	0.94120	0.02760	1.0350	0.08565	0.01984	10	-1.10	5%	0
031.43	Phosphorus, ICP, Microwave (%)	2089	0.95000	0.02000	1.0350	0.08565	0.01984	10	-0.99	4%	0
031.43	Phosphorus, ICP, Microwave (%)	2124	1.0250	0.01000	1.0350	0.08565	0.01984	10	-0.12	0%	0
031.43	Phosphorus, ICP, Microwave (%)	0027	1.0350	0.01000	1.0350	0.08565	0.01984	10	0.00	0%	0
031.43	Phosphorus, ICP, Microwave (%)	2023	1.0450	0.03000	1.0350	0.08565	0.01984	10	0.12	0%	0
031.43	Phosphorus, ICP, Microwave (%)	0033	1.0650	0.05000	1.0350	0.08565	0.01984	10	0.35	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0510	1.0800	0.02000	1.0350	0.08565	0.01984	10	0.53	2%	0
031.43	Phosphorus, ICP, Microwave (%)	0964	1.1104	0.00080	1.0350	0.08565	0.01984	10	0.88	4%	0
031.43	Phosphorus, ICP, Microwave (%)	2058	1.1700	0.02000	1.0350	0.08565	0.01984	10	1.58	7%	0
031.43	Phosphorus, ICP, Microwave (%)	0098	1.0820	0.12800	1.0350	0.08565	0.01984	10	0.55	2%	1
031.44	Phosphorus, ICP, Dry ash (%)	2114	0.77955	0.01590				3			0
031.44	Phosphorus, ICP, Dry ash (%)	2122	0.97480	0.00000				3			0
031.44	Phosphorus, ICP, Dry ash (%)	0970	0.98850	0.00300				3			0
031.53	Phosphorus, ICP-MS, Microwave (%)	2136	0.86900	0.10000				2			0
031.53	Phosphorus, ICP-MS, Microwave (%)	0553	1.1000	0.04000				2			0
032.02	Potassium, Flame Emission (%)	0047	0.75000	0.04000				2			0
032.02	Potassium, Flame Emission (%)	0504	0.78300	0.02400				2			0
032.31	Potassium, AAS, Dry ash (%)	0014	0.74350	0.05700				2			0
032.31	Potassium, AAS, Dry ash (%)	0650	0.77500	0.03000				2			0
032.41	Potassium, ICP, Dry ash (%)	0051	0.73675	0.00770	0.78357	0.04881	0.03176	8	-0.96	3%	0
032.41	Potassium, ICP, Dry ash (%)	0208	0.75650	0.05900	0.78357	0.04881	0.03176	8	-0.55	2%	0
032.41	Potassium, ICP, Dry ash (%)	0171	0.75950	0.00500	0.78357	0.04881	0.03176	8	-0.49	2%	0
032.41	Potassium, ICP, Dry ash (%)	0511	0.76000	0.06000	0.78357	0.04881	0.03176	8	-0.48	2%	0
032.41	Potassium, ICP, Dry ash (%)	0164	0.76500	0.01000	0.78357	0.04881	0.03176	8	-0.38	1%	0
032.41	Potassium, ICP, Dry ash (%)	0098	0.79500	0.05000	0.78357	0.04881	0.03176	8	0.23	1%	0
032.41	Potassium, ICP, Dry ash (%)	0407	0.83900	0.04240	0.78357	0.04881	0.03176	8	1.14	4%	0
032.41	Potassium, ICP, Dry ash (%)	0074	0.87000	0.02000	0.78357	0.04881	0.03176	8	1.77	6%	0
032.42	Potassium, ICP, Open vessel (%)	0613	0.68000	0.02000	0.75324	0.05817	0.06748	5	-1.26	5%	0
032.42	Potassium, ICP, Open vessel (%)	0870	0.71820	0.20740	0.75324	0.05817	0.06748	5	-0.60	2%	0
032.42	Potassium, ICP, Open vessel (%)	0202	0.74500	0.01000	0.75324	0.05817	0.06748	5	-0.14	1%	0
032.42	Potassium, ICP, Open vessel (%)	0026	0.80500	0.01000	0.75324	0.05817	0.06748	5	0.89	3%	0
032.42	Potassium, ICP, Open vessel (%)	0504	0.81800	0.09000	0.75324	0.05817	0.06748	5	1.11	4%	0
032.43	Potassium, ICP, Microwave (%)	0035	0.71000	0.00000	0.79529	0.06092	0.00511	10	-1.40	5%	0
032.43	Potassium, ICP, Microwave (%)	2023	0.75350	0.00700	0.79529	0.06092	0.00511	10	-0.69	3%	0
032.43	Potassium, ICP, Microwave (%)	0034	0.76650	0.00140	0.79529	0.06092	0.00511	10	-0.47	2%	0
032.43	Potassium, ICP, Microwave (%)	2124	0.77000	0.00000	0.79529	0.06092	0.00511	10	-0.42	2%	0
032.43	Potassium, ICP, Microwave (%)	2089	0.78000	0.00000	0.79529	0.06092	0.00511	10	-0.25	1%	0
032.43	Potassium, ICP, Microwave (%)	2033	0.79000	0.02000	0.79529	0.06092	0.00511	10	-0.09	0%	0
032.43	Potassium, ICP, Microwave (%)	0027	0.79500	0.01000	0.79529	0.06092	0.00511	10	0.00	0%	0
032.43	Potassium, ICP, Microwave (%)	0964	0.83125	0.00270	0.79529	0.06092	0.00511	10	0.59	2%	0
032.43	Potassium, ICP, Microwave (%)	0033	0.87000	0.00000	0.79529	0.06092	0.00511	10	1.23	5%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
032.43	Potassium, ICP, Microwave (%)	0510	0.90500	0.01000	0.79529	0.06092	0.00511	10	1.80	7%	0
032.43	Potassium, ICP, Microwave (%)	0098	0.86000	0.06000	0.79529	0.06092	0.00511	10	1.06	4%	1
032.44	Potassium, ICP, Dry ash (%)	2114	0.69705	0.00450				3			0
032.44	Potassium, ICP, Dry ash (%)	2122	0.72060	0.00000				3			0
032.44	Potassium, ICP, Dry ash (%)	0970	0.77100	0.00200				3			0
032.53	Potassium, ICP-MS, Microwave (%)	2136	0.77250	0.02300				2			0
032.53	Potassium, ICP-MS, Microwave (%)	0553	0.84550	0.09700				2			0
032.99	Potassium, Miscellaneous (%)	0035	0.77000	0.00000				1			0
033.00	Salt as chloride, Sol Cl (%)	0171	6.9600	0.00000				2			0
033.00	Salt as chloride, Sol Cl (%)	0309	7.3881	0.05570				2			0
033.01	Salt as chloride, Poten Cl (%)	0164	3.6650	0.05000	7.3429	0.17628	0.02229	7	-20.86	25%	0
033.01	Salt as chloride, Poten Cl (%)	0510	7.2500	0.02000	7.3429	0.17628	0.02229	7	-0.53	1%	0
033.01	Salt as chloride, Poten Cl (%)	0003	7.3000	0.00000	7.3429	0.17628	0.02229	7	-0.24	0%	0
033.01	Salt as chloride, Poten Cl (%)	0407	7.3220	0.00600	7.3429	0.17628	0.02229	7	-0.12	0%	0
033.01	Salt as chloride, Poten Cl (%)	0098	7.4350	0.01000	7.3429	0.17628	0.02229	7	0.52	1%	0
033.01	Salt as chloride, Poten Cl (%)	2023	7.4800	0.02000	7.3429	0.17628	0.02229	7	0.78	1%	0
033.01	Salt as chloride, Poten Cl (%)	0650	7.5350	0.05000	7.3429	0.17628	0.02229	7	1.09	1%	0
033.99	Salt, Miscellaneous (%)	2033	6.0650	0.71000				1			0
034.04	Selenium, AA, Hydride (mg / kg (ppm))	0164	0.14000	0.00000				1			0
034.43	Selenium, ICP, Microwave (mg / kg (ppm))	0964	0.38300	0.00600				2			0
034.43	Selenium, ICP, Microwave (mg / kg (ppm))	2124	0.45000	0.00000				2			0
034.53	Selenium, ICP-MS, Microwave (mg / kg (ppm))	0553	0.17000	0.01200				2			0
034.53	Selenium, ICP-MS, Microwave (mg / kg (ppm))	2023	0.20000	0.00000				2			0
034.99	Selenium, Miscellaneous (mg / kg (ppm))	0970	0.22500	0.00400				1			0
035.05	Sodium, Flame Emission (%)	0504	3.8850	0.15000				1			0
035.31	Sodium, AAS, Dry ash (%)	0014	3.7300	0.10000				2			0
035.31	Sodium, AAS, Dry ash (%)	0650	3.8450	0.09000				2			0
035.41	Sodium, ICP, Dry ash (%)	2114	2.5955	0.02300	3.7005	0.21123	0.06418	8	-5.23	15%	0
035.41	Sodium, ICP, Dry ash (%)	0171	3.6150	0.01000	3.7005	0.21123	0.06418	8	-0.40	1%	0
035.41	Sodium, ICP, Dry ash (%)	0098	3.6350	0.07000	3.7005	0.21123	0.06418	8	-0.31	1%	0
035.41	Sodium, ICP, Dry ash (%)	0164	3.6550	0.03000	3.7005	0.21123	0.06418	8	-0.22	1%	0
035.41	Sodium, ICP, Dry ash (%)	2122	3.6790	0.00000	3.7005	0.21123	0.06418	8	-0.10	0%	0
035.41	Sodium, ICP, Dry ash (%)	0970	3.7450	0.09000	3.7005	0.21123	0.06418	8	0.21	1%	0
035.41	Sodium, ICP, Dry ash (%)	0051	3.8906	0.24770	3.7005	0.21123	0.06418	8	0.90	3%	0
035.41	Sodium, ICP, Dry ash (%)	0407	4.0010	0.04270	3.7005	0.21123	0.06418	8	1.42	4%	0
035.41	Sodium, ICP, Dry ash (%)	0208	3.5745	0.68700	3.7005	0.21123	0.06418	8	-0.60	2%	1
035.42	Sodium, ICP, Open vessel (%)	0202	3.3550	0.15000	3.3613	0.00884	0.49000	4	-0.71	0%	0
035.42	Sodium, ICP, Open vessel (%)	0504	3.3675	0.28900	3.3613	0.00884	0.49000	4	0.71	0%	0
035.42	Sodium, ICP, Open vessel (%)	0870	3.3775	1.4810	3.3613	0.00884	0.49000	4	1.84	0%	0
035.42	Sodium, ICP, Open vessel (%)	0613	3.5700	0.04000	3.3613	0.00884	0.49000	4	23.62	3%	0
035.43	Sodium, ICP, Microwave (%)	0510	3.3750	0.01000	3.7726	0.30098	0.02834	10	-1.32	5%	0

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			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
035.43	Sodium, ICP, Microwave (%)	0035	3.4000	0.12000	3.7726	0.30098	0.02834	10	-1.24	5%	0
035.43	Sodium, ICP, Microwave (%)	0027	3.5500	0.04000	3.7726	0.30098	0.02834	10	-0.74	3%	0
035.43	Sodium, ICP, Microwave (%)	2124	3.6550	0.03000	3.7726	0.30098	0.02834	10	-0.39	2%	0
035.43	Sodium, ICP, Microwave (%)	0034	3.8113	0.00140	3.7726	0.30098	0.02834	10	0.13	1%	0
035.43	Sodium, ICP, Microwave (%)	2023	3.8150	0.03000	3.7726	0.30098	0.02834	10	0.14	1%	0
035.43	Sodium, ICP, Microwave (%)	0964	3.9900	0.01200	3.7726	0.30098	0.02834	10	0.72	3%	0
035.43	Sodium, ICP, Microwave (%)	0033	4.0200	0.04000	3.7726	0.30098	0.02834	10	0.82	3%	0
035.43	Sodium, ICP, Microwave (%)	2089	4.0200	0.00000	3.7726	0.30098	0.02834	10	0.82	3%	0
035.43	Sodium, ICP, Microwave (%)	2136	4.0900	0.00000	3.7726	0.30098	0.02834	10	1.05	4%	0
035.43	Sodium, ICP, Microwave (%)	0098	3.6800	0.22000	3.7726	0.30098	0.02834	10	-0.31	1%	1
035.53	Sodium, ICP-MS, Microwave (%)	0553	4.5150	0.35000				1			0
035.99	Sodium, Miscellaneous (%)	0035	3.3950	0.03000				1			0
036.04	Sulfur, LECO (%)	0098	0.21500	0.01000				1			0
036.42	Sulfur, ICP, Open vessel (%)	0164	0.19000	0.00000	0.20001	0.00812	0.00858	5	-1.23	3%	0
036.42	Sulfur, ICP, Open vessel (%)	0407	0.19705	0.00090	0.20001	0.00812	0.00858	5	-0.36	1%	0
036.42	Sulfur, ICP, Open vessel (%)	0202	0.20500	0.01000	0.20001	0.00812	0.00858	5	0.61	1%	0
036.42	Sulfur, ICP, Open vessel (%)	0171	0.20800	0.00200	0.20001	0.00812	0.00858	5	0.98	2%	0
036.42	Sulfur, ICP, Open vessel (%)	0613	0.22500	0.03000	0.20001	0.00812	0.00858	5	3.08	6%	0
036.42	Sulfur, ICP, Open vessel (%)	0870	0.16970	0.10040	0.20001	0.00812	0.00858	5	-3.73	8%	1
036.43	Sulfur, ICP, Microwave (%)	0035	0.19000	0.00000	0.20513	0.01282	0.00702	6	-1.18	4%	0
036.43	Sulfur, ICP, Microwave (%)	0964	0.19345	0.00190	0.20513	0.01282	0.00702	6	-0.91	3%	0
036.43	Sulfur, ICP, Microwave (%)	0098	0.20730	0.02020	0.20513	0.01282	0.00702	6	0.17	1%	0
036.43	Sulfur, ICP, Microwave (%)	0510	0.21000	0.00000	0.20513	0.01282	0.00702	6	0.38	1%	0
036.43	Sulfur, ICP, Microwave (%)	2089	0.21000	0.02000	0.20513	0.01282	0.00702	6	0.38	1%	0
036.43	Sulfur, ICP, Microwave (%)	2033	0.22000	0.00000	0.20513	0.01282	0.00702	6	1.16	4%	0
037.32	Zinc, AAS, Open vessel (mg / kg (ppm))	0504	14.600	0.38000				1			0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0164	13.000	2.0000	15.373	2.0588	0.74618	8	-1.15	8%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0208	13.890	0.44000	15.373	2.0588	0.74618	8	-0.72	5%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	2122	14.040	0.00000	15.373	2.0588	0.74618	8	-0.65	4%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0098	14.875	0.49000	15.373	2.0588	0.74618	8	-0.24	2%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0511	15.250	0.46000	15.373	2.0588	0.74618	8	-0.06	0%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0171	16.700	0.20000	15.373	2.0588	0.74618	8	0.64	4%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0407	16.778	0.65940	15.373	2.0588	0.74618	8	0.68	5%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0051	18.450	1.7200	15.373	2.0588	0.74618	8	1.49	10%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0613	11.060	2.5000				3			0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0870	11.148	2.3050				3			0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0202	25.040	0.00000				3			0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0510	14.000	0.00000	16.879	3.4348	0.67087	7	-0.84	9%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	2124	14.385	0.01000	16.879	3.4348	0.67087	7	-0.73	7%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	2023	14.950	0.10000	16.879	3.4348	0.67087	7	-0.56	6%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0098	16.015	1.5700	16.879	3.4348	0.67087	7	-0.25	3%	0

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Method Proficiency Testing Report

Issue Date : 10/31/2016

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0964	16.804	0.22610	16.879	3.4348	0.67087	7	-0.02	0%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	2089	19.965	1.7900	16.879	3.4348	0.67087	7	0.90	9%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0035	34.500	1.0000	16.879	3.4348	0.67087	7	5.13	52%	0
037.44	Zinc, ICP, Dry ash (mg / kg (ppm))	0970	14.000	0.20000				1			0
037.53	Zinc, ICP-MS, Microwave (mg / kg (ppm))	2136	12.850	0.10000				2			0
037.53	Zinc, ICP-MS, Microwave (mg / kg (ppm))	0553	17.100	1.8000				2			0
037.99	Zinc, Miscellaneous (mg / kg (ppm))	0035	30.000	2.0000				1			0
038.41	Molybdenum, ICP, Dry ash (mg / kg (ppm))	0407	0.16500	0.03000				2			0
038.41	Molybdenum, ICP, Dry ash (mg / kg (ppm))	0171	4.3000	0.00000				2			0
038.43	Molybdenum, ICP, Microwave (mg / kg (ppm))	0964	0.24660	0.05140				1			0
038.53	Molybdenum, ICP-MS, Microwave (mg / kg (ppm))	2023	0.28500	0.01000				2			0
038.53	Molybdenum, ICP-MS, Microwave (mg / kg (ppm))	0553	0.30850	0.01300				2			0
042.99	Chloride, Miscellaneous (%)	0970	4.5400	0.00000				1			0
101.02	Choline Chloride, LC (mg / kg (ppm))	0227	718.00	64.000				1			0
102.01	Niacin, Microbiological (mg / kg (ppm))	0227	6.4100	0.34000				1			0
104.00	Riboflavin, Fluorometric (mg / kg (ppm))	0227	7.9650	0.55000				1			0
104.03	Riboflavin, LC (mg / kg (ppm))	2023	9.9500	1.3000				1			0
105.00	Thiamine, LC (mg / kg (ppm))	2023	1.9500	0.10000				1			0
105.01	Thiamine, Fluorometer (mg / kg (ppm))	0227	1.9250	0.45000				1			0
106.02	Vitamin A, LC (KU / kg)	2023	3.4900	0.02000				3			0
106.02	Vitamin A, LC (KU / kg)	0227	256.50	31.000				3			0
106.02	Vitamin A, LC (KU / kg)	0970	4,770.0	120.00				3			0
107.00	Vitamin B12, Microbiological (µg / kg (ppb))	0227	34.700	1.0000				1			0
108.01	Vitamin D3, LC, AOAC (KU / kg)	2023	0.00000	0.00000				0			4
108.99	Vitamin D3, Miscellaneous (KU / kg)	0970	0.00000	0.00000				0			4
109.02	Vitamin E, LC (IU/kg)	2023	14.550	3.5000				2			0
109.02	Vitamin E, LC (IU/kg)	0970	20.050	0.30000				2			0
113.01	Folic Acid, Micro (mg / kg (ppm))	0227	0.41550	0.00100				1			0
120.00	Alanine, Post-col Ninhydrin Der (%)	0227	0.54500	0.01000				3			0
120.00	Alanine, Post-col Ninhydrin Der (%)	0504	0.57000	0.00000				3			0
120.00	Alanine, Post-col Ninhydrin Der (%)	0870	0.57250	0.00800				3			0
120.01	Alanine, Pre-col OPA Der (%)	0970	0.56000	0.02000				1			0
120.02	Alanine, Post-col OPA Der (%)	2023	0.53000	0.00000				1			0
121.00	Arginine, Post-col Ninhydrin Der (%)	0870	0.36910	0.01720				3			0
121.00	Arginine, Post-col Ninhydrin Der (%)	0227	0.40500	0.01000				3			0
121.00	Arginine, Post-col Ninhydrin Der (%)	0504	0.40500	0.01000				3			0
121.01	Arginine, Pre-col OPA Der (%)	0970	0.44600	0.00400				1			0
121.02	Arginine, Post-col OPA Der (%)	2023	0.40000	0.00000				1			0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0504	1.2200	0.00000				3			0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0227	1.2900	0.04000				3			0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0870	1.2943	0.02350				3			0

**Test Material Code # 201643**

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			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
122.01	Aspartic, Pre-col OPA Der (%)	0970	1.3050	0.05000				1		0	
122.02	Aspartic, Post-col OPA Der (%)	2023	1.1950	0.01000				1		0	
124.00	Cysteine/Cystine, PAO Post-col Ninhydrin (%)	0870	0.15405	0.00410				3		0	
124.00	Cysteine/Cystine, PAO Post-col Ninhydrin (%)	0504	0.15500	0.01000				3		0	
124.00	Cysteine/Cystine, PAO Post-col Ninhydrin (%)	0227	0.17000	0.00000				3		0	
124.01	Cysteine/Cystine, PAO Pre-col OPA Der (%)	0970	0.15850	0.00700				1		0	
124.02	Cysteine/Cystine, PAO Post-col OPA Der (%)	2023	0.29500	0.01000				1		0	
125.00	Glutamic, Post-col Ninhydrin Der (%)	0504	2.9700	0.08000				3		0	
125.00	Glutamic, Post-col Ninhydrin Der (%)	0227	3.0500	0.00000				3		0	
125.00	Glutamic, Post-col Ninhydrin Der (%)	0870	3.1137	0.05310				3		0	
125.01	Glutamic, Pre-col OPA Der (%)	0970	3.1450	0.11000				1		0	
125.02	Glutamic, Post-col OPA Der (%)	2023	2.9750	0.03000				1		0	
126.00	Glycine, Post-col Ninhydrin Der (%)	0870	0.28630	0.00400				3		0	
126.00	Glycine, Post-col Ninhydrin Der (%)	0227	0.29000	0.00000				3		0	
126.00	Glycine, Post-col Ninhydrin Der (%)	0504	0.29000	0.00000				3		0	
126.01	Glycine, Pre-col OPA Der (%)	0970	0.28700	0.01200				1		0	
126.02	Glycine, Post-col OPA Der (%)	2023	0.27000	0.00000				1		0	
127.00	Histidine, Post-col Ninhydrin Der (%)	0870	0.35720	0.00660				3		0	
127.00	Histidine, Post-col Ninhydrin Der (%)	0504	0.37000	0.00000				3		0	
127.00	Histidine, Post-col Ninhydrin Der (%)	0227	0.38500	0.01000				3		0	
127.01	Histidine, Pre-col OPA Der (%)	0970	0.30350	0.03700				1		0	
127.02	Histidine, Post-col OPA Der (%)	2023	0.38000	0.00000				1		0	
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0870	0.81795	0.01830				3		0	
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0227	0.83500	0.01000				3		0	
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0504	0.85000	0.02000				3		0	
128.01	Isoleucine, Pre-col OPA Der (%)	0970	0.89950	0.03100				1		0	
128.02	Isoleucine, Post-col OPA Der (%)	2023	0.75500	0.01000				1		0	
129.00	Leucine, Post-col Ninhydrin Der (%)	0227	1.4250	0.01000				3		0	
129.00	Leucine, Post-col Ninhydrin Der (%)	0870	1.4302	0.00330				3		0	
129.00	Leucine, Post-col Ninhydrin Der (%)	0504	1.4600	0.00000				3		0	
129.01	Leucine, Pre-col OPA Der (%)	0970	1.4900	0.06000				1		0	
129.02	Leucine, Post-col OPA Der (%)	2023	1.4300	0.02000				1		0	
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0227	1.1650	0.01000				3		0	
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0504	1.2550	0.01000				3		0	
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0870	1.2704	0.02450				3		0	
130.01	L-Lysine, Pre-col OPA Der (%)	0970	1.1450	0.05000				1		0	
130.02	L-Lysine, Post-col OPA Der (%)	2023	1.2650	0.01000				1		0	
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0227	0.27500	0.01000				3		0	
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0504	0.28000	0.00000				3		0	
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0870	0.32025	0.00870				3		0	
131.01	Methionine, PAO Pre-col OPA Der (%)	0970	0.39100	0.01400				1		0	

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			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
131.02	Methionine, PAO Post-col OPA Der (%)	2023	0.42000	0.00000				1		0	
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0870	0.63390	0.02200				3		0	
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0227	0.65000	0.00000				3		0	
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0504	0.67000	0.00000				3		0	
132.01	Phenylalanine, Pre-col OPA Der (%)	0970	0.67200	0.02400				1		0	
132.02	Phenylalanine, Post-col OPA Der (%)	2023	0.64500	0.01000				1		0	
133.00	Proline, Post-col Ninhydrin Der (%)	0504	1.3100	0.02000				3		0	
133.00	Proline, Post-col Ninhydrin Der (%)	0870	1.3155	0.03920				3		0	
133.00	Proline, Post-col Ninhydrin Der (%)	0227	1.3700	0.02000				3		0	
133.99	Proline, Miscellaneous (%)	0970	1.3550	0.05000				2		0	
133.99	Proline, Miscellaneous (%)	2023	1.5750	0.01000				2		0	
134.00	Serine, Post-col Ninhydrin Der (%)	0227	0.81500	0.01000				2		0	
134.00	Serine, Post-col Ninhydrin Der (%)	0870	0.85315	0.00830				2		0	
134.01	Serine, Pre-col OPA Der (%)	0970	0.80150	0.02900				1		0	
134.02	Serine, Post-col OPA Der (%)	2023	0.81000	0.00000				1		0	
135.00	Threonine, Post-col Ninhydrin Der (%)	0227	0.79500	0.01000				2		0	
135.00	Threonine, Post-col Ninhydrin Der (%)	0870	0.80925	0.01310				2		0	
135.01	Threonine, Pre-col OPA Der (%)	0970	0.77850	0.02700				1		0	
135.02	Threonine, Post-col OPA Der (%)	2023	0.73000	0.00000				1		0	
136.00	Tryptophan, Alka-Hydrol Post-col Ninhyd (%)	0870	0.16830	0.00420				2		0	
136.00	Tryptophan, Alka-Hydrol Post-col Ninhyd (%)	0227	0.24000	0.02000				2		0	
136.02	Tryptophan, Alka-Hydrol Post-col OPA De (%)	2023	0.17000	0.00000				1		0	
136.99	Tryptophan, Miscellaneous (%)	0970	0.21250	0.00300				2		0	
136.99	Tryptophan, Miscellaneous (%)	0504	0.23000	0.02000				2		0	
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0870	0.39175	0.02810				3		0	
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0227	0.57000	0.00000				3		0	
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0504	0.58000	0.02000				3		0	
137.01	Tyrosine, Pre-col OPA Der (%)	0970	0.63850	0.02300				1		0	
137.02	Tyrosine, Post-col OPA Der (%)	2023	0.54000	0.00000				1		0	
138.00	Valine, Post-col Ninhydrin Der (%)	0870	0.92920	0.00120				3		0	
138.00	Valine, Post-col Ninhydrin Der (%)	0227	0.95500	0.01000				3		0	
138.00	Valine, Post-col Ninhydrin Der (%)	0504	0.96000	0.00000				3		0	
138.01	Valine, Pre-col OPA Der (%)	0970	0.94150	0.03900				1		0	
138.02	Valine, Post-col OPA Der (%)	2023	0.76000	0.02000				1		0	
139.00	Taurine, Post-col Ninhydrin Der (%)	0970	0.01640	0.00020				2		0	
139.00	Taurine, Post-col Ninhydrin Der (%)	0504	0.09500	0.01000				2		0	
160.99	Fructose, Miscellaneous (%)	0970	0.00000	0.00000				0		4	
161.99	Galactose, Miscellaneous (%)	0970	0.30000	0.00000				1		0	
162.99	Glucose, Miscellaneous (%)	0970	0.10000	0.00000				2		0	
162.99	Glucose, Miscellaneous (%)	0227	0.30000	0.16000				2		0	
163.99	Lactose, Miscellaneous (%)	0227	28.495	0.43000	28.648	0.21567	0.66580	4	-0.71	0%	

Test Material Code # 201643

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			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
163.99	Lactose, Miscellaneous (%)	0970	28.800	0.00000	28.648	0.21567	0.66580	4	0.71	0%	0
163.99	Lactose, Miscellaneous (%)	2136	29.015	1.9290	28.648	0.21567	0.66580	4	1.70	1%	0
163.99	Lactose, Miscellaneous (%)	2114	32.588	0.30420	28.648	0.21567	0.66580	4	18.27	7%	0
164.99	Maltose, Miscellaneous (%)	0970	0.20000	0.00000				1			0
165.99	Sucrose, Miscellaneous (%)	0970	0.00000	0.00000				0			4
400.01	Water activity, Aqualab chilled mirror (Units)	0407	0.19770	0.00080				1			0
400.99	Water activity, Miscellaneous (Units)	2083	0.24250	0.01300				1			0
516.43	Arsenic, total, ICP, Microwave (mg / kg (ppm))	2124	0.10500	0.21000				0			4
518.41	Cadmium, ICP, Dry ash (mg / kg (ppm))	0171	0.30000	0.00000				1			0
518.43	Cadmium, ICP, Microwave (mg / kg (ppm))	2124	0.00500	0.01000				0			4
520.41	Chromium, ICP, Dry ash (mg / kg (ppm))	0171	13.450	0.50000				1			0
520.53	Chromium, ICP-MS, Microwave (mg / kg (ppm))	2023	0.05000	0.00000				1			0
526.41	Lead, ICP, Dry ash (mg / kg (ppm))	0171	0.90000	0.00000				1			0
526.53	Lead, ICP-MS, Microwave (mg / kg (ppm))	0227	0.01400	0.00400				1			0
539.41	Nickel, ICP, Dry ash (mg / kg (ppm))	0171	7.7500	0.30000				1			0
539.53	Nickel, ICP-MS, Microwave (mg / kg (ppm))	0553	0.04510	0.00860				2			0
539.53	Nickel, ICP-MS, Microwave (mg / kg (ppm))	2023	0.06500	0.05000				2			0
710.99	Lauric Acid (12:0), Miscellaneous (% (w/w))	2124	0.21500	0.01000				1			0
714.99	Myristic Acid (14:0 ), Miscellaneous (% (w/w))	2124	0.75000	0.00000				1			0
716.99	Palmitic Acid (16:0), Miscellaneous (% (w/w))	2124	3.1100	0.02000				1			0
718.99	Palmitoleic Acid (9c-16:1), Miscellaneous (% (w/w))	2124	0.13000	0.00000				1			0
722.99	Stearic Acid (18:0), Miscellaneous (% (w/w))	2124	1.4450	0.01000				1			0
724.99	Oleic Acid (9c-18:1), Miscellaneous (% (w/w))	2124	2.2200	0.10000				1			0
726.99	Linoleic Acid (9c,12c-18:2), Miscellaneous (% (w/w))	2124	0.33500	0.01000				1			0
728.99	alpha-Linolenic Acid (9c,12c,15c-18:3), Miscellaneous	2124	0.04375	0.00030				1			0
740.99	Eicosapentaenoic Acid EPA (5c,8c,11c,14c,17c-20:5)	2124	0.00000	0.00000				0			4
750.99	Docosahexaenoic Acid DHA (4c,7c,10c,13c,16c,19c-22:6)	2124	0.00000	0.00000				0			4
758.02	Total Saturated Fatty Acids, Direct Methylation by	2058	10.295	0.07000				1			0
758.99	Total Saturated Fatty Acids, Miscellaneous (% (w/w))	0171	8.9650	0.27000				3			0
758.99	Total Saturated Fatty Acids, Miscellaneous (% (w/w))	2136	10.560	0.12000				3			0
758.99	Total Saturated Fatty Acids, Miscellaneous (% (w/w))	2114	11.225	0.33000				3			0
762.02	Total Monounsaturated Fatty Acids, Direct Methylation by	2058	8.6200	0.12000				1			0
762.99	Total Monounsaturated Fatty Acids, Miscellaneous (% (w/w))	2114	12.375	0.27000				2			0
762.99	Total Monounsaturated Fatty Acids, Miscellaneous (% (w/w))	171	12.450	0.28000				2			0
764.99	Total cis Monounsaturated Fatty Acids, Direct Methylation by	2136	8.8400	0.04000				1			0
766.02	Total Polyunsaturated Fatty Acids, Direct Methylation by	2058	0.81500	0.01000				1			0
766.99	Total Polyunsaturated Fatty Acids, Miscellaneous (% (w/w))	171	0.79000	0.04000				2			0
766.99	Total Polyunsaturated Fatty Acids, Miscellaneous (% (w/w))	2114	1.3600	0.08000				2			0
768.99	Total cis Polyunsaturated Fatty Acids, Direct Methylation by	2136	0.69500	0.03000				1			0
772.99	Total Fatty Acids, Miscellaneous (% (w/w))	2114	24.960	0.68000				1			0

Notes: Interpreting Z Scores: Red indicates a normally distributed Z value >3 or <-3 (requires action), Orange = Z between 2 and 3 or -2 and -3 (warning) and Green =



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			Value	Range	Rob Mean	Robust SD	R-bar			

Z < 2 and >-2 (OK at 95%). Flags indicate data usage: 0 = Used, 1 = Rejected for duplicates too far apart, 2 = Rejected as outlier, 8 = Analyst data exempt and 4 = zeros submitted as values. Robust statistics not used if < 6 labs reporting, in this case the Z Scores may be included for information only (Grey, No Action!). Flag 3 indicates not used in statistics.