

Pet Food Ingredient Scheme
Dried Whole Egg Pasteurized
Test Material Code # 201944

Labs Reporting: 53
Methods Reported 272
Issue Date : 12/31/2019

Method Proficiency Testing Report

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
001.00	Loss on Drying, Vac 95°C 5 hr (%)	2273	4.635	0.0100				3			0
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0309	4.690	0.0000				3			0
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0027	4.708	0.0290				3			0
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0504	4.455	0.2900				3			1
001.03	Loss on Drying, Low temp. methods (%)	2124	4.430	0.0400				2			0
001.03	Loss on Drying, Low temp. methods (%)	0619	4.990	0.1600				2			0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0019	4.150	0.1000	4.645	0.3483	0.0801	11	-1.42	5%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0845	4.185	0.0300	4.645	0.3483	0.0801	11	-1.32	5%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0034	4.208	0.1350	4.645	0.3483	0.0801	11	-1.26	5%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0876	4.650	0.3000	4.645	0.3483	0.0801	11	0.01	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0407	4.759	0.0012	4.645	0.3483	0.0801	11	0.33	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2156	4.825	0.1100	4.645	0.3483	0.0801	11	0.52	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2219	4.825	0.0900	4.645	0.3483	0.0801	11	0.52	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0065	4.838	0.0850	4.645	0.3483	0.0801	11	0.55	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0171	4.840	0.0000	4.645	0.3483	0.0801	11	0.56	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0074	4.860	0.0200	4.645	0.3483	0.0801	11	0.62	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0098	4.955	0.0100	4.645	0.3483	0.0801	11	0.89	3%	0
001.99	Loss on Drying, Miscellaneous (%)	0676	4.100	0.0200	4.511	0.3439	0.0629	7	-1.20	5%	0
001.99	Loss on Drying, Miscellaneous (%)	0889	4.160	0.1000	4.511	0.3439	0.0629	7	-1.02	4%	0
001.99	Loss on Drying, Miscellaneous (%)	0510	4.400	0.0000	4.511	0.3439	0.0629	7	-0.32	1%	0
001.99	Loss on Drying, Miscellaneous (%)	2115	4.565	0.0100	4.511	0.3439	0.0629	7	0.16	1%	0
001.99	Loss on Drying, Miscellaneous (%)	0208	4.695	0.1500	4.511	0.3439	0.0629	7	0.53	2%	0
001.99	Loss on Drying, Miscellaneous (%)	2136	4.770	0.1000	4.511	0.3439	0.0629	7	0.75	3%	0
001.99	Loss on Drying, Miscellaneous (%)	0019	4.890	0.0600	4.511	0.3439	0.0629	7	1.10	4%	0
001.99	Loss on Drying, Miscellaneous (%)	2155	4.510	0.6400	4.511	0.3439	0.0629	7	0.00	0%	1
002.00	Protein, Crude, Crude (%)	0845	49.44	0.1600				1			0
002.01	Protein, Crude, Auto Kjeh-Foss (%)	0889	49.72	0.2900	50.14	0.4488	0.1884	5			0
002.01	Protein, Crude, Auto Kjeh-Foss (%)	0914	49.89	0.0700	50.14	0.4488	0.1884	5			0
002.01	Protein, Crude, Auto Kjeh-Foss (%)	0619	50.00	0.2000	50.14	0.4488	0.1884	5			0
002.01	Protein, Crude, Auto Kjeh-Foss (%)	0164	50.25	0.0000	50.14	0.4488	0.1884	5			0
002.01	Protein, Crude, Auto Kjeh-Foss (%)	0870	50.87	0.3820	50.14	0.4488	0.1884	5			0
002.04	Protein, Crude, Copper Catalyst (%)	2122	50.88	0.0000				2			0
002.04	Protein, Crude, Copper Catalyst (%)	0504	50.93	0.0600				2			0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
002.05	Protein, Crude, Copper, Boric Acid (%)	2273	49.14	0.3800				2			0
002.05	Protein, Crude, Copper, Boric Acid (%)	2115	50.77	0.2400				2			0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2169	49.85	0.1000	50.78	0.4065	0.1309	38	-2.28	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0510	50.00	0.0000	50.78	0.4065	0.1309	38	-1.91	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0619	50.15	0.1000	50.78	0.4065	0.1309	38	-1.55	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0650	50.25	0.1000	50.78	0.4065	0.1309	38	-1.30	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0001	50.28	0.1300	50.78	0.4065	0.1309	38	-1.24	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0242	50.38	0.2400	50.78	0.4065	0.1309	38	-0.98	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0407	50.42	0.1030	50.78	0.4065	0.1309	38	-0.87	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0098	50.45	0.3000	50.78	0.4065	0.1309	38	-0.81	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2184	50.47	0.2700	50.78	0.4065	0.1309	38	-0.77	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2207	50.54	0.1000	50.78	0.4065	0.1309	38	-0.59	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0065	50.59	0.3380	50.78	0.4065	0.1309	38	-0.47	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0074	50.63	0.0500	50.78	0.4065	0.1309	38	-0.38	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2219	50.63	0.2200	50.78	0.4065	0.1309	38	-0.36	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0019	50.66	0.3300	50.78	0.4065	0.1309	38	-0.30	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0027	50.66	0.0560	50.78	0.4065	0.1309	38	-0.29	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2156	50.68	0.3700	50.78	0.4065	0.1309	38	-0.25	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0171	50.73	0.0300	50.78	0.4065	0.1309	38	-0.13	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0958	50.73	0.0400	50.78	0.4065	0.1309	38	-0.12	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0553	50.80	0.0600	50.78	0.4065	0.1309	38	0.05	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0554	50.81	0.1700	50.78	0.4065	0.1309	38	0.07	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0164	50.82	0.1300	50.78	0.4065	0.1309	38	0.09	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2016	50.82	0.0700	50.78	0.4065	0.1309	38	0.09	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0309	50.83	0.0040	50.78	0.4065	0.1309	38	0.13	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0870	50.85	0.0732	50.78	0.4065	0.1309	38	0.17	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0208	50.90	0.0000	50.78	0.4065	0.1309	38	0.30	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2162	50.90	0.1400	50.78	0.4065	0.1309	38	0.30	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0026	50.93	0.4350	50.78	0.4065	0.1309	38	0.36	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2124	50.94	0.0200	50.78	0.4065	0.1309	38	0.40	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0504	51.04	0.0800	50.78	0.4065	0.1309	38	0.64	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0042	51.05	0.1000	50.78	0.4065	0.1309	38	0.67	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0876	51.10	0.0000	50.78	0.4065	0.1309	38	0.79	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0202	51.11	0.0900	50.78	0.4065	0.1309	38	0.80	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0047	51.30	0.2000	50.78	0.4065	0.1309	38	1.28	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0511	51.31	0.1600	50.78	0.4065	0.1309	38	1.31	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0676	51.35	0.0700	50.78	0.4065	0.1309	38	1.39	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0034	51.60	0.1850	50.78	0.4065	0.1309	38	2.03	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2089	51.86	0.0400	50.78	0.4065	0.1309	38	2.66	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0417	52.78	0.0700	50.78	0.4065	0.1309	38	4.91	2%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2155	50.86	1.277	50.78	0.4065	0.1309	38	0.21	0%	1
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0160	50.95	1.100	50.78	0.4065	0.1309	38	0.42	0%	1

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
002.08	Protein, Crude, Cu/Ti (%)	2136	50.55	0.3000				2			0
002.08	Protein, Crude, Cu/Ti (%)	0098	50.72	1.030				2			0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	0026	27.19	0.1900				2			0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	2115	31.17	0.4400				2			0
003.01	Fat, Crude, Diethyl Ether Ext (13th ed.), Indirect (%)	0504	30.84	0.0900				1			0
003.09	Fat, Crude, Randall, Diethyl Ether Ext (%)	0870	31.37	0.1024				3			0
003.09	Fat, Crude, Randall, Diethyl Ether Ext (%)	0510	31.50	0.2000				3			0
003.09	Fat, Crude, Randall, Diethyl Ether Ext (%)	0098	31.69	0.2500				3			0
003.10	Fat, Crude, Randall, Pet Ether (%)	2184	25.10	2.090	30.83	0.9894	0.5942	10	-5.80	9%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0870	29.71	2.040	30.83	0.9894	0.5942	10	-1.13	2%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0676	30.62	0.1000	30.83	0.9894	0.5942	10	-0.21	0%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	2162	30.66	0.4900	30.83	0.9894	0.5942	10	-0.18	0%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	2155	30.68	0.5120	30.83	0.9894	0.5942	10	-0.15	0%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	2089	30.88	0.3200	30.83	0.9894	0.5942	10	0.05	0%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	2136	31.10	0.2000	30.83	0.9894	0.5942	10	0.27	0%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0098	31.19	0.0100	30.83	0.9894	0.5942	10	0.36	1%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0242	31.88	0.1200	30.83	0.9894	0.5942	10	1.06	2%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0889	32.24	0.0600	30.83	0.9894	0.5942	10	1.43	2%	0
003.12	Fat, Crude, Hexane Ext (%)	0171	32.12	0.2400				1			0
003.13	Fat, Crude, Randall, Hexane Ext. (%)	0098	31.06	0.0700				2			0
003.13	Fat, Crude, Randall, Hexane Ext. (%)	0870	32.13	0.1022				2			0
003.14	Fat, Crude, Ankom (%)	0171	26.66	0.6800	31.56	3.419	0.4159	9	-1.43	8%	0
003.14	Fat, Crude, Ankom (%)	0202	29.24	0.4700	31.56	3.419	0.4159	9	-0.68	4%	0
003.14	Fat, Crude, Ankom (%)	0554	29.79	0.0400	31.56	3.419	0.4159	9	-0.52	3%	0
003.14	Fat, Crude, Ankom (%)	2207	31.26	0.0100	31.56	3.419	0.4159	9	-0.09	0%	0
003.14	Fat, Crude, Ankom (%)	0407	31.38	0.0830	31.56	3.419	0.4159	9	-0.05	0%	0
003.14	Fat, Crude, Ankom (%)	0876	31.60	0.8000	31.56	3.419	0.4159	9	0.01	0%	0
003.14	Fat, Crude, Ankom (%)	0019	32.04	0.6000	31.56	3.419	0.4159	9	0.14	1%	0
003.14	Fat, Crude, Ankom (%)	0015	35.93	0.9200	31.56	3.419	0.4159	9	1.28	7%	0
003.14	Fat, Crude, Ankom (%)	0074	36.11	0.1400	31.56	3.419	0.4159	9	1.33	7%	0
003.14	Fat, Crude, Ankom (%)	0511	28.71	4.230	31.56	3.419	0.4159	9	-0.83	5%	1
003.99	Fat, Crude, Miscellaneous (%)	0160	35.40	0.4000				2			0
003.99	Fat, Crude, Miscellaneous (%)	0208	36.05	0.7000				2			0
004.00	Fiber, Crude, Asbestos Free (%)	0504	0.0600	0.1000				2			0
004.00	Fiber, Crude, Asbestos Free (%)	0171	0.3300	0.1200				2			0
004.00	Fiber, Crude, Asbestos Free (%)	0164	< 0.2					2			5
004.07	Fiber, Crude, ANKOM (%)	0407	0.0493	0.0040				3			0
004.07	Fiber, Crude, ANKOM (%)	0510	0.3000	0.2000				3			0
004.07	Fiber, Crude, ANKOM (%)	0870	0.5743	0.0130				3			0
004.07	Fiber, Crude, ANKOM (%)	0553	1.680	0.2800				3			2
004.07	Fiber, Crude, ANKOM (%)	0042	0.0000	0.0000				3			4
004.07	Fiber, Crude, ANKOM (%)	2136	< 0.2					3			5

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
005.00	Ash, 2h @ 600°C (%)	2184	5.080	0.0200	5.610	0.0854	0.0677	32	-6.20	5%	0
005.00	Ash, 2h @ 600°C (%)	0914	5.420	0.3000	5.610	0.0854	0.0677	32	-2.22	2%	0
005.00	Ash, 2h @ 600°C (%)	0510	5.425	0.0100	5.610	0.0854	0.0677	32	-2.17	2%	0
005.00	Ash, 2h @ 600°C (%)	0650	5.465	0.2300	5.610	0.0854	0.0677	32	-1.70	1%	0
005.00	Ash, 2h @ 600°C (%)	0019	5.500	0.0000	5.610	0.0854	0.0677	32	-1.29	1%	0
005.00	Ash, 2h @ 600°C (%)	0042	5.530	0.1000	5.610	0.0854	0.0677	32	-0.94	1%	0
005.00	Ash, 2h @ 600°C (%)	0242	5.535	0.0300	5.610	0.0854	0.0677	32	-0.88	1%	0
005.00	Ash, 2h @ 600°C (%)	0511	5.535	0.0100	5.610	0.0854	0.0677	32	-0.88	1%	0
005.00	Ash, 2h @ 600°C (%)	2089	5.540	0.3000	5.610	0.0854	0.0677	32	-0.82	1%	0
005.00	Ash, 2h @ 600°C (%)	0553	5.595	0.0300	5.610	0.0854	0.0677	32	-0.18	0%	0
005.00	Ash, 2h @ 600°C (%)	0047	5.600	0.0000	5.610	0.0854	0.0677	32	-0.12	0%	0
005.00	Ash, 2h @ 600°C (%)	0171	5.605	0.0100	5.610	0.0854	0.0677	32	-0.06	0%	0
005.00	Ash, 2h @ 600°C (%)	0554	5.610	0.1000	5.610	0.0854	0.0677	32	0.00	0%	0
005.00	Ash, 2h @ 600°C (%)	2016	5.610	0.0400	5.610	0.0854	0.0677	32	0.00	0%	0
005.00	Ash, 2h @ 600°C (%)	0208	5.610	0.0800	5.610	0.0854	0.0677	32	0.00	0%	0
005.00	Ash, 2h @ 600°C (%)	0098	5.625	0.0100	5.610	0.0854	0.0677	32	0.18	0%	0
005.00	Ash, 2h @ 600°C (%)	0845	5.625	0.0100	5.610	0.0854	0.0677	32	0.18	0%	0
005.00	Ash, 2h @ 600°C (%)	2156	5.625	0.0500	5.610	0.0854	0.0677	32	0.18	0%	0
005.00	Ash, 2h @ 600°C (%)	0027	5.638	0.0100	5.610	0.0854	0.0677	32	0.33	0%	0
005.00	Ash, 2h @ 600°C (%)	2115	5.640	0.0000	5.610	0.0854	0.0677	32	0.35	0%	0
005.00	Ash, 2h @ 600°C (%)	0309	5.640	0.0200	5.610	0.0854	0.0677	32	0.35	0%	0
005.00	Ash, 2h @ 600°C (%)	0026	5.645	0.0500	5.610	0.0854	0.0677	32	0.41	0%	0
005.00	Ash, 2h @ 600°C (%)	2124	5.650	0.1600	5.610	0.0854	0.0677	32	0.47	0%	0
005.00	Ash, 2h @ 600°C (%)	2162	5.650	0.2200	5.610	0.0854	0.0677	32	0.47	0%	0
005.00	Ash, 2h @ 600°C (%)	0870	5.664	0.0020	5.610	0.0854	0.0677	32	0.63	0%	0
005.00	Ash, 2h @ 600°C (%)	0164	5.675	0.0700	5.610	0.0854	0.0677	32	0.76	1%	0
005.00	Ash, 2h @ 600°C (%)	0407	5.676	0.0285	5.610	0.0854	0.0677	32	0.77	1%	0
005.00	Ash, 2h @ 600°C (%)	0001	5.694	0.0146	5.610	0.0854	0.0677	32	0.98	1%	0
005.00	Ash, 2h @ 600°C (%)	0504	5.700	0.0400	5.610	0.0854	0.0677	32	1.05	1%	0
005.00	Ash, 2h @ 600°C (%)	0876	5.700	0.0000	5.610	0.0854	0.0677	32	1.05	1%	0
005.00	Ash, 2h @ 600°C (%)	2219	5.840	0.1600	5.610	0.0854	0.0677	32	2.69	2%	0
005.00	Ash, 2h @ 600°C (%)	2207	5.890	0.0600	5.610	0.0854	0.0677	32	3.28	2%	0
005.00	Ash, 2h @ 600°C (%)	0417	5.655	0.4500	5.610	0.0854	0.0677	32	0.53	0%	1
005.05	Ash, 3h @ 550°C (%)	2136	5.635	0.0100				3			0
005.05	Ash, 3h @ 550°C (%)	0619	5.650	0.0200				3			0
005.05	Ash, 3h @ 550°C (%)	0065	5.660	0.0000				3			0
005.05	Ash, 3h @ 550°C (%)	0889	5.660	0.0600				3			1
005.05	Ash, 3h @ 550°C (%)	2273	5.560	0.0000				3			2
005.99	Ash, Miscellaneous (%)	0202	5.470	0.1000	5.566	0.1058	0.0543	4			0
005.99	Ash, Miscellaneous (%)	2169	5.480	0.0600	5.566	0.1058	0.0543	4			0
005.99	Ash, Miscellaneous (%)	0034	5.638	0.0270	5.566	0.1058	0.0543	4			0
005.99	Ash, Miscellaneous (%)	0676	5.675	0.0300	5.566	0.1058	0.0543	4			0

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			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
006.00	Total Sugars, As sucrose (%)	0407	0.4808	0.9005				1			0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0407	0.0821	0.0382				3			0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0042	1.230	0.1000				3			0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0870	3.375	0.0405				3			0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0407	0.6617	0.0577				2			0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0870	0.7358	0.0335				2			0
010.03	Moisture, Karl-Fischer (%)	0164	4.185	0.0300				1			0
010.99	Moisture, Miscellaneous (%)	2169	5.120	0.0400				3			0
010.99	Moisture, Miscellaneous (%)	2089	5.215	0.0100				3			0
010.99	Moisture, Miscellaneous (%)	0914	5.330	0.0400				3			0
011.01	Loss on Drying, 135°C 2hr (%)	0650	4.770	0.0600	5.077	0.2529	0.0761	17	-1.21	3%	0
011.01	Loss on Drying, 135°C 2hr (%)	2207	4.770	0.1600	5.077	0.2529	0.0761	17	-1.21	3%	0
011.01	Loss on Drying, 135°C 2hr (%)	0553	4.810	0.0600	5.077	0.2529	0.0761	17	-1.06	3%	0
011.01	Loss on Drying, 135°C 2hr (%)	2162	4.870	0.0000	5.077	0.2529	0.0761	17	-0.82	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0026	4.940	0.0400	5.077	0.2529	0.0761	17	-0.54	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0510	4.950	0.1000	5.077	0.2529	0.0761	17	-0.50	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0242	4.970	0.0200	5.077	0.2529	0.0761	17	-0.42	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0164	4.975	0.0500	5.077	0.2529	0.0761	17	-0.40	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0047	5.050	0.1000	5.077	0.2529	0.0761	17	-0.11	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0870	5.077	0.0239	5.077	0.2529	0.0761	17	0.00	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0511	5.085	0.0500	5.077	0.2529	0.0761	17	0.03	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0171	5.275	0.0100	5.077	0.2529	0.0761	17	0.78	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	2016	5.295	0.3700	5.077	0.2529	0.0761	17	0.86	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	2184	5.310	0.0000	5.077	0.2529	0.0761	17	0.92	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0098	5.340	0.0800	5.077	0.2529	0.0761	17	1.04	3%	0
011.01	Loss on Drying, 135°C 2hr (%)	0202	5.405	0.0700	5.077	0.2529	0.0761	17	1.30	3%	0
011.01	Loss on Drying, 135°C 2hr (%)	0309	5.420	0.1000	5.077	0.2529	0.0761	17	1.36	3%	0
011.01	Loss on Drying, 135°C 2hr (%)	0407	4.160	2.697	5.077	0.2529	0.0761	17	-3.63	9%	1
011.02	Loss on Drying, 130°C for 2 hours (%)	0554	4.150	0.1400				3			0
011.02	Loss on Drying, 130°C for 2 hours (%)	0417	4.675	1.150				3			0
011.02	Loss on Drying, 130°C for 2 hours (%)	2083	5.010	0.0000				3			0
012.00	Starch, Polarimetric (Ewers) (%)	0164	< 1					0			5
012.01	Starch, Enzymatic-Colorimetric Method (Megazyme) (%)	0164	< 0.2					0			5
012.03	Starch, Enzymatic-Colorimetric Method, Miscellaneous (%)	0407	0.4219	0.5891				1			0
012.04	Starch, Enzymatic-Enzyme Membrane Technology (YSI) (%)	0510	0.6500	0.1000				1			0
013.00	Fat, Acid Pretreat, Acid hydrolysis (%)	2016	32.99	1.810	35.28	1.592	0.9352	8	-1.44	3%	0
013.00	Fat, Acid Pretreat, Acid hydrolysis (%)	0242	34.08	1.670	35.28	1.592	0.9352	8	-0.75	2%	0
013.00	Fat, Acid Pretreat, Acid hydrolysis (%)	2115	34.58	0.2600	35.28	1.592	0.9352	8	-0.44	1%	0
013.00	Fat, Acid Pretreat, Acid hydrolysis (%)	0504	35.42	0.3900	35.28	1.592	0.9352	8	0.09	0%	0
013.00	Fat, Acid Pretreat, Acid hydrolysis (%)	0309	35.50	0.1414	35.28	1.592	0.9352	8	0.14	0%	0
013.00	Fat, Acid Pretreat, Acid hydrolysis (%)	2156	35.86	0.6100	35.28	1.592	0.9352	8	0.36	1%	0
013.00	Fat, Acid Pretreat, Acid hydrolysis (%)	0202	36.23	0.1400	35.28	1.592	0.9352	8	0.60	1%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
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013.00	Fat, Acid Pretreat, Acid hydrolysis (%)	2219	37.58	2.460	35.28	1.592	0.9352	8	1.45	3%	0
013.02	Fat, Acid Pretreat, Mojonnier, Bak Ext (%)	0870	28.55	7.634	35.75	1.968	1.680	11	-3.66	10%	0
013.02	Fat, Acid Pretreat, Mojonnier, Bak Ext (%)	0650	34.05	0.9000	35.75	1.968	1.680	11	-0.86	2%	0
013.02	Fat, Acid Pretreat, Mojonnier, Bak Ext (%)	0065	34.15	0.9650	35.75	1.968	1.680	11	-0.82	2%	0
013.02	Fat, Acid Pretreat, Mojonnier, Bak Ext (%)	2273	34.90	0.0100	35.75	1.968	1.680	11	-0.44	1%	0
013.02	Fat, Acid Pretreat, Mojonnier, Bak Ext (%)	0407	34.92	1.060	35.75	1.968	1.680	11	-0.42	1%	0
013.02	Fat, Acid Pretreat, Mojonnier, Bak Ext (%)	0164	35.94	0.3000	35.75	1.968	1.680	11	0.10	0%	0
013.02	Fat, Acid Pretreat, Mojonnier, Bak Ext (%)	0001	36.49	0.3741	35.75	1.968	1.680	11	0.37	1%	0
013.02	Fat, Acid Pretreat, Mojonnier, Bak Ext (%)	0676	37.00	0.0100	35.75	1.968	1.680	11	0.63	2%	0
013.02	Fat, Acid Pretreat, Mojonnier, Bak Ext (%)	0553	37.06	0.4500	35.75	1.968	1.680	11	0.66	2%	0
013.02	Fat, Acid Pretreat, Mojonnier, Bak Ext (%)	0171	37.42	1.430	35.75	1.968	1.680	11	0.85	2%	0
013.02	Fat, Acid Pretreat, Mojonnier, Bak Ext (%)	0914	38.57	5.350	35.75	1.968	1.680	11	1.43	4%	0
013.10	Fat, Acid Pretreat, Soxtec-Acid Hydrolysis (%)	0845	31.34	0.0300				3			0
013.10	Fat, Acid Pretreat, Soxtec-Acid Hydrolysis (%)	2162	32.25	1.440				3			0
013.10	Fat, Acid Pretreat, Soxtec-Acid Hydrolysis (%)	2124	32.79	0.4000				3			0
013.13	Fat, Acid Pretreat, Ankom- Acid Hydrolysis (%)	0042	32.99	2.480	33.74	0.8120	0.9816	4			0
013.13	Fat, Acid Pretreat, Ankom- Acid Hydrolysis (%)	0407	33.09	0.4063	33.74	0.8120	0.9816	4			0
013.13	Fat, Acid Pretreat, Ankom- Acid Hydrolysis (%)	0034	34.44	1.000	33.74	0.8120	0.9816	4			0
013.13	Fat, Acid Pretreat, Ankom- Acid Hydrolysis (%)	0019	34.45	0.0400	33.74	0.8120	0.9816	4			0
015.41	Aluminum, ICP, Dry ash (mg / kg (ppm))	0171	145.7	2.700				3			0
015.41	Aluminum, ICP, Dry ash (mg / kg (ppm))	0164	170.5	1.000				3			0
015.41	Aluminum, ICP, Dry ash (mg / kg (ppm))	0407	290.8	16.18				3			0
015.43	Aluminum, ICP, Microwave (mg / kg (ppm))	0510	554.0	6.000				1			0
015.53	Aluminum, ICP-MS, Microwave (mg / kg (ppm))	0553	577.0	14.00				1			0
017.41	Boron, ICP, Dry ash (mg / kg (ppm))	0407	1.361	0.4122				1			0
017.53	Boron, ICP-MS, Microwave (mg / kg (ppm))	0553	5.625	0.0100				1			0
019.00	Calcium, Ox-Mn04 Vol. (%)	2115	0.8300	0.0400				1			0
019.31	Calcium, AAS, Dry ash (%)	0001	0.8221	0.0092				2			0
019.31	Calcium, AAS, Dry ash (%)	2115	0.8700	0.0000				2			0
019.41	Calcium, ICP, Dry ash (%)	0171	0.7550	0.0100	0.7764	0.0178	0.0288	7	-1.20	1%	0
019.41	Calcium, ICP, Dry ash (%)	0019	0.7600	0.0200	0.7764	0.0178	0.0288	7	-0.92	1%	0
019.41	Calcium, ICP, Dry ash (%)	0208	0.7765	0.0330	0.7764	0.0178	0.0288	7	0.01	0%	0
019.41	Calcium, ICP, Dry ash (%)	0074	0.7800	0.0000	0.7764	0.0178	0.0288	7	0.20	0%	0
019.41	Calcium, ICP, Dry ash (%)	0098	0.7800	0.0200	0.7764	0.0178	0.0288	7	0.20	0%	0
019.41	Calcium, ICP, Dry ash (%)	0511	0.7800	0.0200	0.7764	0.0178	0.0288	7	0.20	0%	0
019.41	Calcium, ICP, Dry ash (%)	0407	0.8431	0.0983	0.7764	0.0178	0.0288	7	3.75	4%	0
019.42	Calcium, ICP, Open vessel (%)	0026	0.6085	0.0770	0.7398	0.0909	0.0402	4			0
019.42	Calcium, ICP, Open vessel (%)	0870	0.7628	0.0358	0.7398	0.0909	0.0402	4			0
019.42	Calcium, ICP, Open vessel (%)	2207	0.7700	0.0000	0.7398	0.0909	0.0402	4			0
019.42	Calcium, ICP, Open vessel (%)	0042	0.8180	0.0480	0.7398	0.0909	0.0402	4			0
019.43	Calcium, ICP, Microwave (%)	0202	0.4060	0.0020	0.7784	0.0505	0.0118	9	-7.37	24%	0
019.43	Calcium, ICP, Microwave (%)	2089	0.7450	0.0300	0.7784	0.0505	0.0118	9	-0.66	2%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
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019.43	Calcium, ICP, Microwave (%)	2114	0.7540	0.0100	0.7784	0.0505	0.0118	9	-0.48	2%	0
019.43	Calcium, ICP, Microwave (%)	2033	0.7550	0.0100	0.7784	0.0505	0.0118	9	-0.46	2%	0
019.43	Calcium, ICP, Microwave (%)	2136	0.7630	0.0260	0.7784	0.0505	0.0118	9	-0.30	1%	0
019.43	Calcium, ICP, Microwave (%)	0510	0.8100	0.0000	0.7784	0.0505	0.0118	9	0.63	2%	0
019.43	Calcium, ICP, Microwave (%)	2124	0.8225	0.0130	0.7784	0.0505	0.0118	9	0.87	3%	0
019.43	Calcium, ICP, Microwave (%)	0027	0.8235	0.0150	0.7784	0.0505	0.0118	9	0.89	3%	0
019.43	Calcium, ICP, Microwave (%)	0098	0.8300	0.0000	0.7784	0.0505	0.0118	9	1.02	3%	0
019.44	Calcium, ICP, Dry ash (%)	2219	0.6750	0.0700	0.7286	0.0401	0.0438	4			0
019.44	Calcium, ICP, Dry ash (%)	0065	0.7325	0.0250	0.7286	0.0401	0.0438	4			0
019.44	Calcium, ICP, Dry ash (%)	2156	0.7350	0.0700	0.7286	0.0401	0.0438	4			0
019.44	Calcium, ICP, Dry ash (%)	0164	0.7720	0.0100	0.7286	0.0401	0.0438	4			0
019.52	Calcium, ICP-MS, Open vessel (%)	0047	0.7850	0.0300				1			0
019.53	Calcium, ICP-MS, Microwave (%)	2273	0.7663	0.0019				2			0
019.53	Calcium, ICP-MS, Microwave (%)	0553	0.7665	0.0230				2			0
019.99	Calcium, Miscellaneous (%)	0619	0.7570	0.0240				3			0
019.99	Calcium, Miscellaneous (%)	0242	0.7650	0.0100				3			0
019.99	Calcium, Miscellaneous (%)	0676	1.000	0.0200				3			0
021.31	Cobalt, AAS, Dry ash (mg / kg (ppm))	0164	< 0.75					0			5
021.41	Cobalt, ICP, Dry ash (mg / kg (ppm))	0171	0.0300	0.0040				2			0
021.41	Cobalt, ICP, Dry ash (mg / kg (ppm))	0407	0.1877	0.1498				2			0
021.53	Cobalt, ICP-MS, Microwave (mg / kg (ppm))	0553	0.0169	0.0001				1			0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	2115	6.475	0.3300				1			0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0407	3.837	1.748	5.233	1.322	1.054	7	-1.06	13%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0208	4.066	0.2470	5.233	1.322	1.054	7	-0.88	11%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0098	4.735	0.9900	5.233	1.322	1.054	7	-0.38	5%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0019	5.280	0.8600	5.233	1.322	1.054	7	0.04	0%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0511	5.500	1.000	5.233	1.322	1.054	7	0.20	3%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0074	6.000	2.000	5.233	1.322	1.054	7	0.58	7%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0171	8.175	0.5300	5.233	1.322	1.054	7	2.22	28%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0026	3.453	0.1670				3			0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0870	4.474	0.2310				3			0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0042	5.880	0.8400				3			0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	2207	< 5					3			5
022.43	Copper, ICP, Microwave (mg / kg (ppm))	2089	3.805	0.4300	4.444	0.5509	0.2141	8	-1.16	7%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	2114	3.995	0.0530	4.444	0.5509	0.2141	8	-0.82	5%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	2136	4.280	0.3600	4.444	0.5509	0.2141	8	-0.30	2%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0098	4.320	0.0200	4.444	0.5509	0.2141	8	-0.23	1%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	2124	4.385	0.2300	4.444	0.5509	0.2141	8	-0.11	1%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	2033	4.500	0.0000	4.444	0.5509	0.2141	8	0.10	1%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0510	5.000	0.0000	4.444	0.5509	0.2141	8	1.01	6%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0202	5.460	0.6200	4.444	0.5509	0.2141	8	1.84	11%	0
022.44	Copper, ICP, Dry ash (mg / kg (ppm))	0164	4.050	0.1000				1			0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
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022.52	Copper, ICP-MS, Open vessel (mg / kg (ppm))	0047	5.485	0.3300				1			0
022.53	Copper, ICP-MS, Microwave (mg / kg (ppm))	2273	4.085	0.0100				3			0
022.53	Copper, ICP-MS, Microwave (mg / kg (ppm))	0553	4.720	0.6000				3			0
022.53	Copper, ICP-MS, Microwave (mg / kg (ppm))	2023	4.985	0.2900				3			0
022.99	Copper, Miscellaneous (mg / kg (ppm))	0242	3.500	1.000				2			0
022.99	Copper, Miscellaneous (mg / kg (ppm))	0619	3.710	0.1000				2			0
024.53	Iodine, ICP-MS, Microwave (mg / kg (ppm))	2033	3.300	0.0000				1			0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0001	68.23	2.920				2			0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	2115	89.95	0.2800				2			0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0171	67.49	1.380	77.27	9.303	4.919	8	-1.05	6%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0019	68.43	11.16	77.27	9.303	4.919	8	-0.95	6%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0511	71.00	8.000	77.27	9.303	4.919	8	-0.67	4%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0074	78.00	0.0000	77.27	9.303	4.919	8	0.08	0%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0164	78.50	5.000	77.27	9.303	4.919	8	0.13	1%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0098	78.53	1.880	77.27	9.303	4.919	8	0.14	1%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0208	84.99	5.540	77.27	9.303	4.919	8	0.83	5%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0407	102.5	6.391	77.27	9.303	4.919	8	2.71	16%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0026	67.04	18.64	82.65	14.61	7.161	4			0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0870	78.05	5.010	82.65	14.61	7.161	4			0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	2207	83.50	3.000	82.65	14.61	7.161	4			0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0042	102.0	2.000	82.65	14.61	7.161	4			0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0510	78.00	0.0000	85.73	5.391	3.143	9	-1.43	5%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	2114	80.50	7.340	85.73	5.391	3.143	9	-0.97	3%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	2136	84.60	1.600	85.73	5.391	3.143	9	-0.21	1%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0027	84.98	3.028	85.73	5.391	3.143	9	-0.14	0%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	2033	85.00	0.0000	85.73	5.391	3.143	9	-0.14	0%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0098	86.32	3.480	85.73	5.391	3.143	9	0.11	0%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	2124	88.35	1.230	85.73	5.391	3.143	9	0.48	2%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	2023	90.05	0.9000	85.73	5.391	3.143	9	0.80	3%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	2089	197.5	10.71	85.73	5.391	3.143	9	20.74	65%	0
025.52	Iron, ICP-MS, Open vessel (mg / kg (ppm))	0047	86.50	2.000				1			0
025.53	Iron, ICP-MS, Microwave (mg / kg (ppm))	2273	77.61	0.5600				2			0
025.53	Iron, ICP-MS, Microwave (mg / kg (ppm))	0553	82.50	1.200				2			0
025.99	Iron, Miscellaneous (mg / kg (ppm))	0619	73.55	6.700				2			0
025.99	Iron, Miscellaneous (mg / kg (ppm))	0242	91.50	27.00				2			0
027.31	Magnesium, AAS, Dry ash (%)	0001	0.0644	0.0026				2			0
027.31	Magnesium, AAS, Dry ash (%)	2115	0.0715	0.0010				2			0
027.41	Magnesium, ICP, Dry ash (%)	0407	0.0637	0.0058	0.0657	0.0015	0.0044	7	-1.33	2%	0
027.41	Magnesium, ICP, Dry ash (%)	0019	0.0650	0.0100	0.0657	0.0015	0.0044	7	-0.48	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0511	0.0650	0.0100	0.0657	0.0015	0.0044	7	-0.48	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0074	0.0660	0.0000	0.0657	0.0015	0.0044	7	0.17	0%	0
027.41	Magnesium, ICP, Dry ash (%)	0208	0.0660	0.0020	0.0657	0.0015	0.0044	7	0.17	0%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
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027.41	Magnesium, ICP, Dry ash (%)	0171	0.0665	0.0010	0.0657	0.0015	0.0044	7	0.49	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0098	0.0680	0.0020	0.0657	0.0015	0.0044	7	1.46	2%	0
027.42	Magnesium, ICP, Open vessel (%)	0870	0.0605	0.0010	0.0673	0.0065	0.0030	4			0
027.42	Magnesium, ICP, Open vessel (%)	0026	0.0635	0.0070	0.0673	0.0065	0.0030	4			0
027.42	Magnesium, ICP, Open vessel (%)	2207	0.0700	0.0000	0.0673	0.0065	0.0030	4			0
027.42	Magnesium, ICP, Open vessel (%)	0042	0.0750	0.0040	0.0673	0.0065	0.0030	4			0
027.43	Magnesium, ICP, Microwave (%)	0202	0.0337	0.0008	0.0694	0.0023	0.0005	9	-15.32	26%	0
027.43	Magnesium, ICP, Microwave (%)	2136	0.0665	0.0020	0.0694	0.0023	0.0005	9	-1.24	2%	0
027.43	Magnesium, ICP, Microwave (%)	0027	0.0690	0.0000	0.0694	0.0023	0.0005	9	-0.17	0%	0
027.43	Magnesium, ICP, Microwave (%)	0510	0.0700	0.0000	0.0694	0.0023	0.0005	9	0.26	0%	0
027.43	Magnesium, ICP, Microwave (%)	2033	0.0700	0.0000	0.0694	0.0023	0.0005	9	0.26	0%	0
027.43	Magnesium, ICP, Microwave (%)	2089	0.0700	0.0000	0.0694	0.0023	0.0005	9	0.26	0%	0
027.43	Magnesium, ICP, Microwave (%)	2124	0.0700	0.0000	0.0694	0.0023	0.0005	9	0.26	0%	0
027.43	Magnesium, ICP, Microwave (%)	0098	0.0705	0.0010	0.0694	0.0023	0.0005	9	0.48	1%	0
027.43	Magnesium, ICP, Microwave (%)	2114	0.0726	0.0008	0.0694	0.0023	0.0005	9	1.38	2%	0
027.44	Magnesium, ICP, Dry ash (%)	2023	0.0636	0.0001	0.0659	0.0018	0.0020	4			0
027.44	Magnesium, ICP, Dry ash (%)	0065	0.0660	0.0020	0.0659	0.0018	0.0020	4			0
027.44	Magnesium, ICP, Dry ash (%)	2156	0.0660	0.0040	0.0659	0.0018	0.0020	4			0
027.44	Magnesium, ICP, Dry ash (%)	0164	0.0680	0.0020	0.0659	0.0018	0.0020	4			0
027.44	Magnesium, ICP, Dry ash (%)	2219	0.3445	0.5710	0.0659	0.0018	0.0020	4			2
027.52	Magnesium, ICP-MS, Open vessel (%)	0047	0.0900	0.0000				1			0
027.53	Magnesium, ICP-MS, Microwave (%)	2273	0.0631	0.0001				2			0
027.53	Magnesium, ICP-MS, Microwave (%)	0553	0.0651	0.0013				2			0
027.99	Magnesium, Miscellaneous (%)	0242	0.0700	0.0000				2			0
027.99	Magnesium, Miscellaneous (%)	0619	0.0700	0.0020				2			0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	2115	1.945	0.0100				1			0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0208	1.525	0.1810	1.829	0.2294	0.0435	6	-1.33	8%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0019	1.690	0.0600	1.829	0.2294	0.0435	6	-0.61	4%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0171	1.760	0.0200	1.829	0.2294	0.0435	6	-0.30	2%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0074	2.000	0.0000	1.829	0.2294	0.0435	6	0.75	5%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0098	2.000	0.0000	1.829	0.2294	0.0435	6	0.75	5%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0511	2.000	0.0000	1.829	0.2294	0.0435	6	0.75	5%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0407	2.691	1.284	1.829	0.2294	0.0435	6	3.76	24%	1
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0870	1.305	0.0070				1			0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	2207	< 5					1			5
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	2136	1.350	0.0200	1.786	0.5204	0.0749	7	-0.84	12%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	2114	1.384	0.0240	1.786	0.5204	0.0749	7	-0.77	11%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	2033	1.510	0.0200	1.786	0.5204	0.0749	7	-0.53	8%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	2124	1.550	0.0600	1.786	0.5204	0.0749	7	-0.45	7%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0510	2.000	0.0000	1.786	0.5204	0.0749	7	0.41	6%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0098	2.140	0.3600	1.786	0.5204	0.0749	7	0.68	10%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	2089	4.400	0.0400	1.786	0.5204	0.0749	7	5.02	73%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0202	3.840	0.7600	1.786	0.5204	0.0749	7	3.95	58%	1
028.44	Manganese, ICP, Dry ash (mg / kg (ppm))	0164	1.350	0.1000				1			0
028.52	Manganese, ICP-MS, Open vessel (mg / kg (ppm))	0047	1.625	0.1900				1			0
028.53	Manganese, ICP-MS, Microwave (mg / kg (ppm))	2273	1.395	0.0300				1			0
028.99	Manganese, Miscellaneous (mg / kg (ppm))	0242	1.500	1.000				2			0
028.99	Manganese, Miscellaneous (mg / kg (ppm))	0619	1.595	0.0700				2			0
031.01	Phosphorus, Photometric (%)	2219	0.6300	0.0600	0.6913	0.0475	0.0406	5			0
031.01	Phosphorus, Photometric (%)	0511	0.6700	0.0600	0.6913	0.0475	0.0406	5			0
031.01	Phosphorus, Photometric (%)	2156	0.6800	0.0800	0.6913	0.0475	0.0406	5			0
031.01	Phosphorus, Photometric (%)	0208	0.7265	0.0030	0.6913	0.0475	0.0406	5			0
031.01	Phosphorus, Photometric (%)	2115	0.7500	0.0000	0.6913	0.0475	0.0406	5			0
031.03	Phosphorus, Autoanalyzer (%)	0001	0.7370	0.0080				1			0
031.41	Phosphorus, ICP, Dry ash (%)	0019	0.6800	0.0000	0.7184	0.0245	0.0020	5			0
031.41	Phosphorus, ICP, Dry ash (%)	0208	0.7100	0.0020	0.7184	0.0245	0.0020	5			0
031.41	Phosphorus, ICP, Dry ash (%)	0098	0.7291	0.0062	0.7184	0.0245	0.0020	5			0
031.41	Phosphorus, ICP, Dry ash (%)	0171	0.7300	0.0000	0.7184	0.0245	0.0020	5			0
031.41	Phosphorus, ICP, Dry ash (%)	0074	0.7430	0.0020	0.7184	0.0245	0.0020	5			0
031.41	Phosphorus, ICP, Dry ash (%)	0407	0.7679	0.0709	0.7184	0.0245	0.0020	5			1
031.42	Phosphorus, ICP, Open vessel (%)	0042	0.7150	0.0200				3			0
031.42	Phosphorus, ICP, Open vessel (%)	2207	0.7200	0.0000				3			0
031.42	Phosphorus, ICP, Open vessel (%)	0870	0.7236	0.0420				3			0
031.42	Phosphorus, ICP, Open vessel (%)	0026	0.6330	0.1400				3			2
031.43	Phosphorus, ICP, Microwave (%)	0202	0.3795	0.0030	0.7460	0.0444	0.0133	9	-8.26	25%	0
031.43	Phosphorus, ICP, Microwave (%)	2114	0.6940	0.0100	0.7460	0.0444	0.0133	9	-1.17	3%	0
031.43	Phosphorus, ICP, Microwave (%)	2136	0.7445	0.0170	0.7460	0.0444	0.0133	9	-0.03	0%	0
031.43	Phosphorus, ICP, Microwave (%)	0027	0.7470	0.0020	0.7460	0.0444	0.0133	9	0.02	0%	0
031.43	Phosphorus, ICP, Microwave (%)	2124	0.7500	0.0200	0.7460	0.0444	0.0133	9	0.09	0%	0
031.43	Phosphorus, ICP, Microwave (%)	2089	0.7600	0.0000	0.7460	0.0444	0.0133	9	0.32	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0098	0.7611	0.0169	0.7460	0.0444	0.0133	9	0.34	1%	0
031.43	Phosphorus, ICP, Microwave (%)	2033	0.7655	0.0110	0.7460	0.0444	0.0133	9	0.44	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0510	0.8300	0.0400	0.7460	0.0444	0.0133	9	1.89	6%	0
031.44	Phosphorus, ICP, Dry ash (%)	0065	0.6800	0.0200				3			0
031.44	Phosphorus, ICP, Dry ash (%)	0164	0.7175	0.0090				3			0
031.44	Phosphorus, ICP, Dry ash (%)	2023	0.7490	0.0000				3			0
031.53	Phosphorus, ICP-MS, Microwave (%)	2273	0.7160	0.0048				2			0
031.53	Phosphorus, ICP-MS, Microwave (%)	0553	0.7620	0.0440				2			0
031.99	Phosphorus, Miscellaneous (%)	0676	0.6650	0.0100				3			0
031.99	Phosphorus, Miscellaneous (%)	0619	0.6940	0.0200				3			0
031.99	Phosphorus, Miscellaneous (%)	0242	0.7000	0.0200				3			0
032.31	Potassium, AAS, Dry ash (%)	2115	0.4450	0.0100				1			0
032.41	Potassium, ICP, Dry ash (%)	0019	0.4500	0.0200	0.5022	0.0389	0.0173	7	-1.34	5%	0
032.41	Potassium, ICP, Dry ash (%)	0074	0.4900	0.0000	0.5022	0.0389	0.0173	7	-0.31	1%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
032.41	Potassium, ICP, Dry ash (%)	0208	0.4900	0.0180	0.5022	0.0389	0.0173	7	-0.31	1%	0
032.41	Potassium, ICP, Dry ash (%)	0511	0.4900	0.0000	0.5022	0.0389	0.0173	7	-0.31	1%	0
032.41	Potassium, ICP, Dry ash (%)	0171	0.5150	0.0100	0.5022	0.0389	0.0173	7	0.33	1%	0
032.41	Potassium, ICP, Dry ash (%)	0098	0.5200	0.0200	0.5022	0.0389	0.0173	7	0.46	2%	0
032.41	Potassium, ICP, Dry ash (%)	0407	0.5976	0.0532	0.5022	0.0389	0.0173	7	2.45	9%	0
032.42	Potassium, ICP, Open vessel (%)	0026	0.4950	0.0420	0.5221	0.0218	0.0201	4			0
032.42	Potassium, ICP, Open vessel (%)	2207	0.5200	0.0000	0.5221	0.0218	0.0201	4			0
032.42	Potassium, ICP, Open vessel (%)	0870	0.5252	0.0164	0.5221	0.0218	0.0201	4			0
032.42	Potassium, ICP, Open vessel (%)	0042	0.5480	0.0220	0.5221	0.0218	0.0201	4			0
032.43	Potassium, ICP, Microwave (%)	0202	0.3095	0.0090	0.5476	0.0309	0.0070	9	-7.71	22%	0
032.43	Potassium, ICP, Microwave (%)	2089	0.5250	0.0100	0.5476	0.0309	0.0070	9	-0.73	2%	0
032.43	Potassium, ICP, Microwave (%)	2136	0.5325	0.0030	0.5476	0.0309	0.0070	9	-0.49	1%	0
032.43	Potassium, ICP, Microwave (%)	0098	0.5400	0.0000	0.5476	0.0309	0.0070	9	-0.25	1%	0
032.43	Potassium, ICP, Microwave (%)	2114	0.5525	0.0050	0.5476	0.0309	0.0070	9	0.16	0%	0
032.43	Potassium, ICP, Microwave (%)	0027	0.5530	0.0060	0.5476	0.0309	0.0070	9	0.18	0%	0
032.43	Potassium, ICP, Microwave (%)	2124	0.5550	0.0100	0.5476	0.0309	0.0070	9	0.24	1%	0
032.43	Potassium, ICP, Microwave (%)	2033	0.5750	0.0100	0.5476	0.0309	0.0070	9	0.89	3%	0
032.43	Potassium, ICP, Microwave (%)	0510	0.5950	0.0100	0.5476	0.0309	0.0070	9	1.54	4%	0
032.44	Potassium, ICP, Dry ash (%)	2219	0.4400	0.0200	0.4832	0.0299	0.0120	5			0
032.44	Potassium, ICP, Dry ash (%)	0164	0.4755	0.0030	0.4832	0.0299	0.0120	5			0
032.44	Potassium, ICP, Dry ash (%)	0065	0.4875	0.0150	0.4832	0.0299	0.0120	5			0
032.44	Potassium, ICP, Dry ash (%)	2156	0.4900	0.0200	0.4832	0.0299	0.0120	5			0
032.44	Potassium, ICP, Dry ash (%)	2023	0.5230	0.0020	0.4832	0.0299	0.0120	5			0
032.53	Potassium, ICP-MS, Microwave (%)	0015	0.5200	0.0400				3			0
032.53	Potassium, ICP-MS, Microwave (%)	0553	0.5285	0.0110				3			0
032.53	Potassium, ICP-MS, Microwave (%)	2273	0.5332	0.0054				3			0
032.99	Potassium, Miscellaneous (%)	0619	0.4475	0.0090				3			0
032.99	Potassium, Miscellaneous (%)	0001	0.4940	0.0140				3			0
032.99	Potassium, Miscellaneous (%)	0242	0.5450	0.0100				3			0
033.00	Salt as chloride, Sol Cl (%)	0309	1.130	0.0167				1			0
033.01	Salt as chloride, Poten Cl (%)	2273	0.7860	0.0000	1.168	0.0871	0.0157	7	-4.38	16%	0
033.01	Salt as chloride, Poten Cl (%)	0650	1.130	0.0000	1.168	0.0871	0.0157	7	-0.43	2%	0
033.01	Salt as chloride, Poten Cl (%)	0242	1.150	0.0000	1.168	0.0871	0.0157	7	-0.21	1%	0
033.01	Salt as chloride, Poten Cl (%)	0510	1.180	0.0200	1.168	0.0871	0.0157	7	0.14	1%	0
033.01	Salt as chloride, Poten Cl (%)	0164	1.185	0.0300	1.168	0.0871	0.0157	7	0.20	1%	0
033.01	Salt as chloride, Poten Cl (%)	0407	1.203	0.0600	1.168	0.0871	0.0157	7	0.40	2%	0
033.01	Salt as chloride, Poten Cl (%)	0098	1.290	0.0000	1.168	0.0871	0.0157	7	1.40	5%	0
033.99	Salt, Miscellaneous (%)	0027	1.585	0.0690				1			0
034.04	Selenium, AA, Hydride (mg / kg (ppm))	0171	1.250	0.5000				1			0
034.41	Selenium, ICP, Dry ash (mg / kg (ppm))	0407	1.300	1.200				1			0
034.43	Selenium, ICP, Microwave (mg / kg (ppm))	2114	1.074	0.0130				2			0
034.43	Selenium, ICP, Microwave (mg / kg (ppm))	2136	2.045	0.0300				2			0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
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034.43	Selenium, ICP, Microwave (mg / kg (ppm))	2124	< 1					2			5
034.52	Selenium, ICP-MS, Open vessel (mg / kg (ppm))	2207	1.600	0.0000				2			0
034.52	Selenium, ICP-MS, Open vessel (mg / kg (ppm))	0047	2.000	0.0000				2			0
034.53	Selenium, ICP-MS, Microwave (mg / kg (ppm))	0164	1.385	0.0100	1.871	0.5526	0.0380	5			0
034.53	Selenium, ICP-MS, Microwave (mg / kg (ppm))	0553	1.420	0.0400	1.871	0.5526	0.0380	5			0
034.53	Selenium, ICP-MS, Microwave (mg / kg (ppm))	2273	1.665	0.0100	1.871	0.5526	0.0380	5			0
034.53	Selenium, ICP-MS, Microwave (mg / kg (ppm))	2033	2.235	0.0300	1.871	0.5526	0.0380	5			0
034.53	Selenium, ICP-MS, Microwave (mg / kg (ppm))	2023	2.650	0.1000	1.871	0.5526	0.0380	5			0
035.31	Sodium, AAS, Dry ash (%)	2115	0.6200	0.0000				1			0
035.41	Sodium, ICP, Dry ash (%)	2219	0.5350	0.0300	0.5961	0.0312	0.0226	10	-1.96	5%	0
035.41	Sodium, ICP, Dry ash (%)	0065	0.5700	0.0200	0.5961	0.0312	0.0226	10	-0.83	2%	0
035.41	Sodium, ICP, Dry ash (%)	0019	0.5750	0.0100	0.5961	0.0312	0.0226	10	-0.67	2%	0
035.41	Sodium, ICP, Dry ash (%)	0171	0.5850	0.0100	0.5961	0.0312	0.0226	10	-0.35	1%	0
035.41	Sodium, ICP, Dry ash (%)	2156	0.5950	0.0300	0.5961	0.0312	0.0226	10	-0.03	0%	0
035.41	Sodium, ICP, Dry ash (%)	0208	0.5990	0.0420	0.5961	0.0312	0.0226	10	0.09	0%	0
035.41	Sodium, ICP, Dry ash (%)	0164	0.6090	0.0040	0.5961	0.0312	0.0226	10	0.41	1%	0
035.41	Sodium, ICP, Dry ash (%)	2023	0.6105	0.0030	0.5961	0.0312	0.0226	10	0.46	1%	0
035.41	Sodium, ICP, Dry ash (%)	0098	0.6250	0.0300	0.5961	0.0312	0.0226	10	0.93	2%	0
035.41	Sodium, ICP, Dry ash (%)	0407	0.6686	0.0474	0.5961	0.0312	0.0226	10	2.32	6%	0
035.42	Sodium, ICP, Open vessel (%)	2207	0.5950	0.0100				3			0
035.42	Sodium, ICP, Open vessel (%)	0870	0.5997	0.0219				3			0
035.42	Sodium, ICP, Open vessel (%)	0042	0.6320	0.0460				3			0
035.43	Sodium, ICP, Microwave (%)	0202	0.3227	0.0023	0.6131	0.0337	0.0088	8	-8.62	24%	0
035.43	Sodium, ICP, Microwave (%)	2114	0.5965	0.0010	0.6131	0.0337	0.0088	8	-0.49	1%	0
035.43	Sodium, ICP, Microwave (%)	2089	0.6000	0.0200	0.6131	0.0337	0.0088	8	-0.39	1%	0
035.43	Sodium, ICP, Microwave (%)	2136	0.6015	0.0150	0.6131	0.0337	0.0088	8	-0.34	1%	0
035.43	Sodium, ICP, Microwave (%)	0098	0.6100	0.0000	0.6131	0.0337	0.0088	8	-0.09	0%	0
035.43	Sodium, ICP, Microwave (%)	2124	0.6400	0.0200	0.6131	0.0337	0.0088	8	0.80	2%	0
035.43	Sodium, ICP, Microwave (%)	2033	0.6450	0.0100	0.6131	0.0337	0.0088	8	0.95	3%	0
035.43	Sodium, ICP, Microwave (%)	0510	0.6490	0.0020	0.6131	0.0337	0.0088	8	1.07	3%	0
035.53	Sodium, ICP-MS, Microwave (%)	2273	0.6106	0.0062				2			0
035.53	Sodium, ICP-MS, Microwave (%)	0553	0.6235	0.0630				2			0
035.99	Sodium, Miscellaneous (%)	0242	0.5900	0.0200				1			0
036.42	Sulfur, ICP, Open vessel (%)	0870	0.6833	0.0380	0.7932	0.1070	0.0293	4			0
036.42	Sulfur, ICP, Open vessel (%)	0164	0.7700	0.0200	0.7932	0.1070	0.0293	4			0
036.42	Sulfur, ICP, Open vessel (%)	0042	0.7795	0.0190	0.7932	0.1070	0.0293	4			0
036.42	Sulfur, ICP, Open vessel (%)	0171	0.9400	0.0400	0.7932	0.1070	0.0293	4			0
036.43	Sulfur, ICP, Microwave (%)	0202	0.3981	0.0009	0.7194	0.2212	0.0076	4			0
036.43	Sulfur, ICP, Microwave (%)	0407	0.7669	0.0159	0.7194	0.2212	0.0076	4			0
036.43	Sulfur, ICP, Microwave (%)	0098	0.8126	0.0134	0.7194	0.2212	0.0076	4			0
036.43	Sulfur, ICP, Microwave (%)	0510	0.9000	0.0000	0.7194	0.2212	0.0076	4			0
036.43	Sulfur, ICP, Microwave (%)	2089	0.9650	0.0900	0.7194	0.2212	0.0076	4			1

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			
036.53	Sulfur, ICP-MS, Microwave (%)	2273	0.0172	0.0007				2			0
036.53	Sulfur, ICP-MS, Microwave (%)	0553	0.8175	0.0250				2			0
036.99	Sulfur, Miscellaneous (%)	0242	0.7100	0.0200				1			0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0001	46.76	7.960				2			0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	2115	61.26	0.5300				2			0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0171	43.16	0.3200	46.31	2.653	2.810	7	-1.19	3%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0208	44.43	1.760	46.31	2.653	2.810	7	-0.71	2%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0098	45.70	1.070	46.31	2.653	2.810	7	-0.23	1%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0511	46.00	2.000	46.31	2.653	2.810	7	-0.12	0%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0019	46.16	2.600	46.31	2.653	2.810	7	-0.06	0%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0074	49.00	4.000	46.31	2.653	2.810	7	1.01	3%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0407	49.72	7.918	46.31	2.653	2.810	7	1.29	4%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0870	42.77	1.330	46.82	4.904	3.565	4			0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	2207	45.00	0.0000	46.82	4.904	3.565	4			0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0026	45.58	8.830	46.82	4.904	3.565	4			0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0042	53.95	4.100	46.82	4.904	3.565	4			0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	2033	46.40	0.4000	50.33	1.909	0.9946	10	-2.06	4%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	2124	47.87	0.4900	50.33	1.909	0.9946	10	-1.29	2%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	2114	49.88	1.132	50.33	1.909	0.9946	10	-0.24	0%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	2089	50.00	0.8100	50.33	1.909	0.9946	10	-0.18	0%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0510	50.00	0.0000	50.33	1.909	0.9946	10	-0.17	0%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0202	50.66	3.690	50.33	1.909	0.9946	10	0.17	0%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0027	51.22	0.6040	50.33	1.909	0.9946	10	0.47	1%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	2023	51.45	0.3000	50.33	1.909	0.9946	10	0.59	1%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	2136	52.10	0.4000	50.33	1.909	0.9946	10	0.93	2%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0098	52.68	2.120	50.33	1.909	0.9946	10	1.23	2%	0
037.44	Zinc, ICP, Dry ash (mg / kg (ppm))	0164	44.00	0.0000				1			0
037.52	Zinc, ICP-MS, Open vessel (mg / kg (ppm))	0047	51.91	4.190				1			0
037.53	Zinc, ICP-MS, Microwave (mg / kg (ppm))	0553	53.50	4.800				2			0
037.53	Zinc, ICP-MS, Microwave (mg / kg (ppm))	2273	60.14	0.2800				2			0
037.99	Zinc, Miscellaneous (mg / kg (ppm))	0242	37.50	1.000				2			0
037.99	Zinc, Miscellaneous (mg / kg (ppm))	0619	45.20	4.000				2			0
038.41	Molybdenum, ICP, Dry ash (mg / kg (ppm))	0171	0.1250	0.0180				2			0
038.41	Molybdenum, ICP, Dry ash (mg / kg (ppm))	0407	0.1752	0.0452				2			0
038.43	Molybdenum, ICP, Microwave (mg / kg (ppm))	0510	0.5000	0.2000				1			0
038.53	Molybdenum, ICP-MS, Microwave (mg / kg (ppm))	0164	0.1875	0.0010				3			0
038.53	Molybdenum, ICP-MS, Microwave (mg / kg (ppm))	0553	0.2100	0.0040				3			0
038.53	Molybdenum, ICP-MS, Microwave (mg / kg (ppm))	2023	0.2300	0.0000				3			0
040.53	Barium, ICP-MS, Microwave (mg / kg (ppm))	0015	2.460	0.2200				1			0
041.53	Vanadium, ICP-MS, Microwave (mg / kg (ppm))	0553	0.3915	0.0030				1			0
042.00	Chloride, Titrimetric (%)	2124	0.7925	0.0010				1			0
101.02	Choline Chloride, LC (mg / kg (ppm))	0227	11,350	100.0				1			0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
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102.01	Niacin, Microbiological (mg / kg (ppm))	0227	8.325	0.4500				1			0
103.01	Pantothenic Acid, Microbiological (mg / kg (ppm))	0227	51.90	1.600				1			0
104.00	Riboflavin, Fluorometric (mg / kg (ppm))	0227	14.85	0.1000				1			0
105.01	Thiamine, Fluorometer (mg / kg (ppm))	0227	1.840	0.4800				1			0
106.00	Vitamin A, Color (KU / kg)	0171	1.810	0.0400				1			0
106.02	Vitamin A, LC (KU / kg)	0227	1.345	0.0500				3			0
106.02	Vitamin A, LC (KU / kg)	0676	1.820	0.0400				3			0
106.02	Vitamin A, LC (KU / kg)	2136	2.030	0.0000				3			0
106.02	Vitamin A, LC (KU / kg)	0619	3.355	0.6100				3			1
107.00	Vitamin B12, Microbiological (µg / kg (ppb))	0227	72.90	4.200				1			0
108.02	Vitamin D3, LC (KU / kg)	0676	8.425	0.0900				1			0
108.02	Vitamin D3, LC (KU / kg)	0227	< 0.04					1			5
108.99	Vitamin D3, Miscellaneous (KU / kg)	0160	2.775	0.1500				1			0
108.99	Vitamin D3, Miscellaneous (KU / kg)	0619	0.0000	0.0000				1			4
108.99	Vitamin D3, Miscellaneous (KU / kg)	2136	< 0.08					1			5
109.02	Vitamin E, LC (IU / kg)	2136	52.80	1.000				3			0
109.02	Vitamin E, LC (IU / kg)	0676	55.80	0.1400				3			0
109.02	Vitamin E, LC (IU / kg)	0619	555.0	30.00				3			0
109.99	Vitamin E, Miscellaneous (IU / kg)	0160	40.25	0.3000				1			0
109.99	Vitamin E, Miscellaneous (IU / kg)	0171	< 25					1			5
112.01	Pyridoxine, LC (µg / g)	0227	3.470	0.2600				1			0
113.01	Folic Acid, Micro (mg / kg (ppm))	0227	1.135	0.1100				1			0
114.01	Biotin, Microbiological (mg / kg (ppm))	0227	1.115	0.0900				1			0
120.00	Alanine, Post-col Ninhydrin Der (%)	0504	2.885	0.0100	2.993	0.0812	0.0641	6	-1.33	2%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0619	2.950	0.0000	2.993	0.0812	0.0641	6	-0.53	1%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	2115	2.965	0.1580	2.993	0.0812	0.0641	6	-0.34	0%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0171	3.030	0.2000	2.993	0.0812	0.0641	6	0.46	1%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0870	3.062	0.0068	2.993	0.0812	0.0641	6	0.85	1%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0227	3.065	0.0100	2.993	0.0812	0.0641	6	0.89	1%	0
120.02	Alanine, Post-col OPA Der (%)	2023	3.310	0.0600				1			0
120.05	Alanine, Pre-col AQC Der (%)	0242	2.660	0.0200				2			0
120.05	Alanine, Pre-col AQC Der (%)	0676	2.885	0.1300				2			0
120.99	Alanine, Miscellaneous (%)	0160	2.985	0.1100				1			0
121.00	Arginine, Post-col Ninhydrin Der (%)	0504	3.145	0.0300	3.233	0.1023	0.0421	6	-0.86	1%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0870	3.166	0.0198	3.233	0.1023	0.0421	6	-0.65	1%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0619	3.170	0.0400	3.233	0.1023	0.0421	6	-0.61	1%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0227	3.250	0.0200	3.233	0.1023	0.0421	6	0.17	0%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	2115	3.285	0.1430	3.233	0.1023	0.0421	6	0.51	1%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0171	3.380	0.0000	3.233	0.1023	0.0421	6	1.44	2%	0
121.02	Arginine, Post-col OPA Der (%)	2023	3.580	0.0600				1			0
121.05	Arginine, Pre-col AQC Der (%)	0676	2.930	0.0800				2			0
121.05	Arginine, Pre-col AQC Der (%)	0242	2.950	0.1800				2			0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
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121.99	Arginine, Miscellaneous (%)	0160	3.025	0.1500				1			0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0171	4.820	0.0000	5.097	0.2191	0.0825	6	-1.26	3%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	2115	4.979	0.2440	5.097	0.2191	0.0825	6	-0.54	1%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0504	4.990	0.1000	5.097	0.2191	0.0825	6	-0.49	1%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0619	5.255	0.1100	5.097	0.2191	0.0825	6	0.72	2%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0227	5.260	0.0200	5.097	0.2191	0.0825	6	0.74	2%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0870	5.279	0.0208	5.097	0.2191	0.0825	6	0.83	2%	0
122.02	Aspartic, Post-col OPA Der (%)	2023	6.055	0.2500				1			0
122.05	Aspartic, Pre-col AQC Der (%)	0242	4.340	0.0000				2			0
122.05	Aspartic, Pre-col AQC Der (%)	0676	4.975	0.1500				2			0
122.99	Aspartic, Miscellaneous (%)	0160	5.030	0.0400				1			0
124.00	Cysteine/Cystine, PAO Post-col Ninhydrin (%)	0227	1.150	0.0000	1.278	0.1074	0.0463	6	-1.19	5%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydrin (%)	0504	1.240	0.0800	1.278	0.1074	0.0463	6	-0.35	1%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydrin (%)	0870	1.248	0.0345	1.278	0.1074	0.0463	6	-0.28	1%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydrin (%)	2115	1.250	0.0430	1.278	0.1074	0.0463	6	-0.26	1%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydrin (%)	0171	1.380	0.1000	1.278	0.1074	0.0463	6	0.95	4%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydrin (%)	0619	1.400	0.0200	1.278	0.1074	0.0463	6	1.14	5%	0
124.02	Cysteine/Cystine, PAO Post-col OPA Der (%)	2023	1.430	0.1600				1			0
124.05	Cysteine/Cystine, PAO Pre-col AQC Der (%)	0676	1.165	0.0100				2			0
124.05	Cysteine/Cystine, PAO Pre-col AQC Der (%)	0242	1.655	0.0700				2			0
124.99	Cysteine/Cystine, Miscellaneous (%)	0160	1.365	0.0300				1			0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0504	5.835	0.2900	6.454	0.5462	0.2049	6	-1.13	5%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	2115	6.144	0.3070	6.454	0.5462	0.2049	6	-0.57	2%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0171	6.165	0.4500	6.454	0.5462	0.2049	6	-0.53	2%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0227	6.670	0.0400	6.454	0.5462	0.2049	6	0.39	2%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0619	6.805	0.1300	6.454	0.5462	0.2049	6	0.64	3%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0870	7.107	0.0124	6.454	0.5462	0.2049	6	1.20	5%	0
125.02	Glutamic, Post-col OPA Der (%)	2023	7.855	0.3100				1			0
125.05	Glutamic, Pre-col AQC Der (%)	0242	5.580	0.1000				2			0
125.05	Glutamic, Pre-col AQC Der (%)	0676	6.035	0.1500				2			0
125.99	Glutamic, Miscellaneous (%)	0160	6.340	0.0800				1			0
126.00	Glycine, Post-col Ninhydrin Der (%)	0504	1.735	0.0100	1.793	0.0519	0.0490	6	-1.11	2%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0870	1.759	0.0091	1.793	0.0519	0.0490	6	-0.64	1%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0619	1.770	0.0400	1.793	0.0519	0.0490	6	-0.44	1%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0227	1.805	0.0100	1.793	0.0519	0.0490	6	0.24	0%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	2115	1.832	0.0950	1.793	0.0519	0.0490	6	0.75	1%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0171	1.855	0.1300	1.793	0.0519	0.0490	6	1.20	2%	0
126.05	Glycine, Pre-col AQC Der (%)	0242	1.670	0.1000				2			0
126.05	Glycine, Pre-col AQC Der (%)	0676	1.765	0.1300				2			0
126.99	Glycine, Miscellaneous (%)	0160	1.705	0.0300				1			0
127.00	Histidine, Post-col Ninhydrin Der (%)	0171	1.080	0.0000	1.288	0.1642	0.0368	6	-1.27	8%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0504	1.250	0.0800	1.288	0.1642	0.0368	6	-0.23	1%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
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127.00	Histidine, Post-col Ninhydrin Der (%)	0227	1.260	0.0200	1.288	0.1642	0.0368	6	-0.17	1%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0870	1.272	0.0477	1.288	0.1642	0.0368	6	-0.10	1%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0619	1.340	0.0000	1.288	0.1642	0.0368	6	0.32	2%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	2115	1.526	0.0730	1.288	0.1642	0.0368	6	1.45	9%	0
127.02	Histidine, Post-col OPA Der (%)	2023	1.340	0.0000				1			0
127.05	Histidine, Pre-col AQC Der (%)	0676	1.055	0.0300				2			0
127.05	Histidine, Pre-col AQC Der (%)	0242	1.130	0.1000				2			0
127.99	Histidine, Miscellaneous (%)	0160	1.190	0.1200				1			0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0619	2.545	0.0300	2.734	0.0873	0.0739	6	-2.16	3%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0227	2.695	0.0500	2.734	0.0873	0.0739	6	-0.44	1%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0171	2.740	0.0000	2.734	0.0873	0.0739	6	0.07	0%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0870	2.766	0.1651	2.734	0.0873	0.0739	6	0.37	1%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	2115	2.773	0.1680	2.734	0.0873	0.0739	6	0.45	1%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0504	2.825	0.0300	2.734	0.0873	0.0739	6	1.05	2%	0
128.02	Isoleucine, Post-col OPA Der (%)	2023	2.935	0.0100				1			0
128.05	Isoleucine, Pre-col AQC Der (%)	0242	2.200	0.2800				2			0
128.05	Isoleucine, Pre-col AQC Der (%)	0676	2.605	0.0900				2			0
128.99	Isoleucine, Miscellaneous (%)	0160	2.680	0.1400				1			0
129.00	Leucine, Post-col Ninhydrin Der (%)	0870	4.238	0.0463	4.339	0.1241	0.0689	6	-0.82	1%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0619	4.255	0.0900	4.339	0.1241	0.0689	6	-0.68	1%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	2115	4.258	0.2270	4.339	0.1241	0.0689	6	-0.66	1%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0504	4.350	0.0400	4.339	0.1241	0.0689	6	0.09	0%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0171	4.430	0.0000	4.339	0.1241	0.0689	6	0.73	1%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0227	4.505	0.0100	4.339	0.1241	0.0689	6	1.34	2%	0
129.02	Leucine, Post-col OPA Der (%)	2023	5.015	0.0500				1			0
129.05	Leucine, Pre-col AQC Der (%)	0242	3.800	0.1800				2			0
129.05	Leucine, Pre-col AQC Der (%)	0676	4.240	0.1200				2			0
129.99	Leucine, Miscellaneous (%)	0160	4.200	0.1200				1			0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0171	3.775	0.1100	3.865	0.0696	0.1137	6	-1.30	1%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0504	3.840	0.1800	3.865	0.0696	0.1137	6	-0.36	0%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0619	3.850	0.1400	3.865	0.0696	0.1137	6	-0.22	0%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0870	3.864	0.0310	3.865	0.0696	0.1137	6	-0.02	0%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	2115	3.908	0.1910	3.865	0.0696	0.1137	6	0.61	1%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0227	3.955	0.0300	3.865	0.0696	0.1137	6	1.29	1%	0
130.02	L-Lysine, Post-col OPA Der (%)	2023	4.305	0.2700				1			0
130.05	L-Lysine, Pre-col AQC Der (%)	0242	3.125	0.0700				2			0
130.05	L-Lysine, Pre-col AQC Der (%)	0676	3.575	0.1900				2			0
130.99	L-Lysine, Miscellaneous (%)	0160	3.595	0.1500				1			0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0504	1.610	0.1600	1.718	0.1024	0.1044	6	-1.05	3%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	2115	1.619	0.0610	1.718	0.1024	0.1044	6	-0.97	3%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0619	1.715	0.0500	1.718	0.1024	0.1044	6	-0.03	0%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0227	1.755	0.0700	1.718	0.1024	0.1044	6	0.36	1%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
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131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0171	1.765	0.2500	1.718	0.1024	0.1044	6	0.46	1%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0870	1.843	0.0353	1.718	0.1024	0.1044	6	1.22	4%	0
131.02	Methionine, PAO Post-col OPA Der (%)	2023	1.910	0.0200				1			0
131.05	Methionine, PAO Pre-col AQC Der (%)	0676	1.840	0.0600				2			0
131.05	Methionine, PAO Pre-col AQC Der (%)	0242	2.065	0.0300				2			0
131.99	Methionine, Miscellaneous (%)	0160	1.510	0.1400				1			0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0619	2.710	0.0400	2.778	0.0678	0.0491	6	-1.00	1%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0870	2.737	0.0105	2.778	0.0678	0.0491	6	-0.61	1%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	2115	2.756	0.0540	2.778	0.0678	0.0491	6	-0.32	0%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0171	2.780	0.0000	2.778	0.0678	0.0491	6	0.03	0%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0227	2.805	0.0100	2.778	0.0678	0.0491	6	0.40	0%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0504	2.940	0.1800	2.778	0.0678	0.0491	6	2.39	3%	0
132.02	Phenylalanine, Post-col OPA Der (%)	2023	3.130	0.0200				1			0
132.05	Phenylalanine, Pre-col AQC Der (%)	0242	2.625	0.1900				2			0
132.05	Phenylalanine, Pre-col AQC Der (%)	0676	2.655	0.0100				2			0
132.99	Phenylalanine, Miscellaneous (%)	0160	2.655	0.0300				1			0
133.00	Proline, Post-col Ninhydrin Der (%)	0171	1.560	0.0000	1.795	0.1527	0.0594	6	-1.54	7%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0619	1.770	0.0400	1.795	0.1527	0.0594	6	-0.16	1%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0870	1.772	0.0196	1.795	0.1527	0.0594	6	-0.15	1%	0
133.00	Proline, Post-col Ninhydrin Der (%)	2115	1.802	0.0570	1.795	0.1527	0.0594	6	0.04	0%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0227	1.915	0.0300	1.795	0.1527	0.0594	6	0.79	3%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0504	1.945	0.2100	1.795	0.1527	0.0594	6	0.98	4%	0
133.05	Proline, Pre-col AQC Der (%)	0242	1.690	0.0800				2			0
133.05	Proline, Pre-col AQC Der (%)	0676	1.845	0.0100				2			0
133.99	Proline, Miscellaneous (%)	0160	1.745	0.0500				2			0
133.99	Proline, Miscellaneous (%)	2023	2.575	0.0700				2			0
134.00	Serine, Post-col Ninhydrin Der (%)	0504	3.245	0.1700	3.687	0.3145	0.1260	6	-1.40	6%	0
134.00	Serine, Post-col Ninhydrin Der (%)	2115	3.495	0.1820	3.687	0.3145	0.1260	6	-0.61	3%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0227	3.700	0.0400	3.687	0.3145	0.1260	6	0.04	0%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0171	3.820	0.2800	3.687	0.3145	0.1260	6	0.42	2%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0619	3.840	0.0800	3.687	0.3145	0.1260	6	0.49	2%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0870	4.020	0.0039	3.687	0.3145	0.1260	6	1.06	5%	0
134.02	Serine, Post-col OPA Der (%)	2023	4.290	0.1800				1			0
134.05	Serine, Pre-col AQC Der (%)	0242	3.440	0.0200				2			0
134.05	Serine, Pre-col AQC Der (%)	0676	3.540	0.0200				2			0
134.99	Serine, Miscellaneous (%)	0160	3.420	0.0400				1			0
135.00	Threonine, Post-col Ninhydrin Der (%)	0171	2.220	0.0600	2.407	0.0842	0.0475	6	-2.22	4%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0504	2.375	0.0300	2.407	0.0842	0.0475	6	-0.38	1%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	2115	2.400	0.1220	2.407	0.0842	0.0475	6	-0.09	0%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0870	2.433	0.0228	2.407	0.0842	0.0475	6	0.31	1%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0227	2.475	0.0100	2.407	0.0842	0.0475	6	0.80	1%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0619	2.480	0.0400	2.407	0.0842	0.0475	6	0.86	2%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
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135.02	Threonine, Post-col OPA Der (%)	2023	2.810	0.1000				1		0	
135.05	Threonine, Pre-col AQC Der (%)	0242	2.160	0.0400				2		0	
135.05	Threonine, Pre-col AQC Der (%)	0676	2.500	0.0400				2		0	
135.99	Threonine, Miscellaneous (%)	0160	1.950	0.0000				1		0	
136.00	Tryptophan, Alka-Hydrol Post-col Ninhyd (%)	0619	0.7560	0.0020				2		0	
136.00	Tryptophan, Alka-Hydrol Post-col Ninhyd (%)	0227	0.7850	0.0500				2		0	
136.01	Tryptophan, Alka-Hydrol Rev Phase LC UV (%)	2114	0.7915	0.0110				1		0	
136.02	Tryptophan, Alka-Hydrol Post-col OPA De (%)	2023	0.6100	0.0200				1		0	
136.05	Tryptophan, Pre-col AQC Der (%)	0242	0.6000	0.0000				1		0	
136.99	Tryptophan, Miscellaneous (%)	0160	0.7200	0.0600				2		0	
136.99	Tryptophan, Miscellaneous (%)	0504	0.8050	0.0500				2		0	
137.00	Tyrosine, Post-col Ninhydrin Der (%)	2115	1.982	0.0610	2.097	0.1262	0.0426	5		0	
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0870	2.031	0.0518	2.097	0.1262	0.0426	5		0	
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0504	2.075	0.0700	2.097	0.1262	0.0426	5		0	
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0227	2.085	0.0300	2.097	0.1262	0.0426	5		0	
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0171	2.310	0.0000	2.097	0.1262	0.0426	5		0	
137.02	Tyrosine, Post-col OPA Der (%)	2023	2.345	0.0100				1		0	
137.05	Tyrosine, Pre-col AQC Der (%)	0242	1.975	0.1700				2		0	
137.05	Tyrosine, Pre-col AQC Der (%)	0676	2.010	0.0200				2		0	
137.99	Tyrosine, Miscellaneous (%)	0160	1.990	0.0600				1		0	
138.00	Valine, Post-col Ninhydrin Der (%)	0870	2.974	0.0816	3.261	0.2817	0.0743	6	-1.02	4%	
138.00	Valine, Post-col Ninhydrin Der (%)	0619	2.995	0.0100	3.261	0.2817	0.0743	6	-0.94	4%	
138.00	Valine, Post-col Ninhydrin Der (%)	2115	3.201	0.1640	3.261	0.2817	0.0743	6	-0.21	1%	
138.00	Valine, Post-col Ninhydrin Der (%)	0171	3.340	0.1000	3.261	0.2817	0.0743	6	0.28	1%	
138.00	Valine, Post-col Ninhydrin Der (%)	0504	3.485	0.0700	3.261	0.2817	0.0743	6	0.80	3%	
138.00	Valine, Post-col Ninhydrin Der (%)	0227	3.570	0.0200	3.261	0.2817	0.0743	6	1.10	5%	
138.02	Valine, Post-col OPA Der (%)	2023	3.405	0.0300				1		0	
138.05	Valine, Pre-col AQC Der (%)	0242	2.690	0.3600				2		0	
138.05	Valine, Pre-col AQC Der (%)	0676	3.360	0.1000				2		0	
138.99	Valine, Miscellaneous (%)	0160	3.280	0.1800				1		0	
139.00	Taurine, Post-col Ninhydrin Der (%)	0227	0.0200	0.0000				3		0	
139.00	Taurine, Post-col Ninhydrin Der (%)	0504	0.0700	0.0600				3		0	
139.00	Taurine, Post-col Ninhydrin Der (%)	2115	0.1205	0.0090				3		0	
160.99	Fructose, Miscellaneous (%)	0227	< 0.15					0		5	
162.99	Glucose, Miscellaneous (%)	0227	< 0.15					0		5	
163.99	Lactose, Miscellaneous (%)	0227	< 0.15					0		5	
164.99	Maltose, Miscellaneous (%)	0227	< 0.15					0		5	
165.99	Sucrose, Miscellaneous (%)	0227	< 0.15					0		5	
400.01	Water Activity, Aqualab chilled mirror (Units)	0407	0.3842	0.0002				1		0	
400.99	Water Activity, Miscellaneous (Units)	2083	0.3640	0.0000				1		0	
516.00	Arsenic, Total, AA, Hydride (mg / kg (ppm))	0171	0.0155	0.0030				1		0	
516.43	Arsenic, Total, ICP, Microwave (mg / kg (ppm))	0407	0.7015	0.1430				1		0	

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
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516.43	Arsenic, Total, ICP, Microwave (mg / kg (ppm))	2124	< 0.89					1		5	
516.53	Arsenic, Total, ICP-MS, Microwave (mg / kg (ppm))	0553	0.0160	0.0022				2		0	
516.53	Arsenic, Total, ICP-MS, Microwave (mg / kg (ppm))	0227	0.0245	0.0050				2		0	
518.41	Cadmium, ICP, Dry ash (mg / kg (ppm))	0407	0.0052	0.0009				1		0	
518.41	Cadmium, ICP, Dry ash (mg / kg (ppm))	0171	< 0.05					1		5	
518.43	Cadmium, ICP, Microwave (mg / kg (ppm))	2124	< 0.16					0		5	
518.53	Cadmium, ICP-MS, Microwave (mg / kg (ppm))	0227	< 0.01					0		5	
520.41	Chromium, ICP, Dry ash (mg / kg (ppm))	0171	0.5980	0.0100				1		0	
520.41	Chromium, ICP, Dry ash (mg / kg (ppm))	0407	0.3596	0.7191				1		4	
520.43	Chromium, ICP, Microwave (mg / kg (ppm))	0510	0.6400	0.0200				1		0	
520.53	Chromium, ICP-MS, Microwave (mg / kg (ppm))	0164	0.4875	0.0470				3		0	
520.53	Chromium, ICP-MS, Microwave (mg / kg (ppm))	0553	0.5930	0.0200				3		0	
520.53	Chromium, ICP-MS, Microwave (mg / kg (ppm))	2023	0.7600	0.0000				3		0	
526.41	Lead, ICP, Dry ash (mg / kg (ppm))	0407	0.0229	0.0075				1		0	
526.41	Lead, ICP, Dry ash (mg / kg (ppm))	0171	< 0					1		5	
526.53	Lead, ICP-MS, Microwave (mg / kg (ppm))	0227	0.1035	0.0050				2		0	
526.53	Lead, ICP-MS, Microwave (mg / kg (ppm))	0553	0.1080	0.0120				2		0	
539.41	Nickel, ICP, Dry ash (mg / kg (ppm))	0171	0.1380	0.0420				1		0	
539.41	Nickel, ICP, Dry ash (mg / kg (ppm))	0407	0.2643	0.5286				1		4	
539.53	Nickel, ICP-MS, Microwave (mg / kg (ppm))	0553	0.1550	0.0120				2		0	
539.53	Nickel, ICP-MS, Microwave (mg / kg (ppm))	2023	0.2350	0.0100				2		0	
702.00	Butyric Acid (4:0), Miscellaneous GC (%)	2136	< 0.1					0		5	
704.00	Caproic Acid (6:0) , Miscellaneous GC (%)	2136	< 0.1					0		5	
706.99	Caprylic acid (8:0), Miscellaneous (% (w/w))	2136	< 0.1					0		5	
708.99	Capric acid (10:0), Miscellaneous (% (w/w))	2136	< 0.1					0		5	
710.99	Lauric Acid (12:0), Miscellaneous (% (w/w))	0676	0.0020	0.0000				1		0	
710.99	Lauric Acid (12:0), Miscellaneous (% (w/w))	2124	< 0.01					1		5	
710.99	Lauric Acid (12:0), Miscellaneous (% (w/w))	0164	< 0.02					1		5	
710.99	Lauric Acid (12:0), Miscellaneous (% (w/w))	2136	< 0.1					1		5	
714.99	Myristic Acid (14:0), Miscellaneous (% (w/w))	0171	0.0700	0.0000	0.1825	0.1245	0.0000	4		0	
714.99	Myristic Acid (14:0), Miscellaneous (% (w/w))	2124	0.1400	0.0000	0.1825	0.1245	0.0000	4		0	
714.99	Myristic Acid (14:0), Miscellaneous (% (w/w))	0160	0.1600	0.0000	0.1825	0.1245	0.0000	4		0	
714.99	Myristic Acid (14:0), Miscellaneous (% (w/w))	0164	0.3600	0.0000	0.1825	0.1245	0.0000	4		0	
714.99	Myristic Acid (14:0), Miscellaneous (% (w/w))	2136	0.1250	0.0100	0.1825	0.1245	0.0000	4		1	
716.99	Palmitic Acid (16:0), Miscellaneous (% (w/w))	0171	8.285	0.0500	9.161	0.6033	0.2975	4		0	
716.99	Palmitic Acid (16:0), Miscellaneous (% (w/w))	0160	9.250	0.0200	9.161	0.6033	0.2975	4		0	
716.99	Palmitic Acid (16:0), Miscellaneous (% (w/w))	2136	9.500	1.000	9.161	0.6033	0.2975	4		0	
716.99	Palmitic Acid (16:0), Miscellaneous (% (w/w))	2124	9.610	0.1200	9.161	0.6033	0.2975	4		0	
716.99	Palmitic Acid (16:0), Miscellaneous (% (w/w))	0164	26.68	0.4600	9.161	0.6033	0.2975	4		2	
718.99	Palmitoleic Acid (9c-16:1), Miscellaneous (% (w/w))	0171	0.8850	0.0100	0.9424	0.0642	0.0268	6	-0.89	3%	0
718.99	Palmitoleic Acid (9c-16:1), Miscellaneous (% (w/w))	0676	0.8905	0.0110	0.9424	0.0642	0.0268	6	-0.81	3%	0
718.99	Palmitoleic Acid (9c-16:1), Miscellaneous (% (w/w))	2136	0.9250	0.0900	0.9424	0.0642	0.0268	6	-0.27	1%	0

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718.99	Palmitoleic Acid (9c-16:1), Miscellaneous (% (w/w))	2124	0.9550	0.0100	0.9424	0.0642	0.0268	6	0.20	1%	0
718.99	Palmitoleic Acid (9c-16:1), Miscellaneous (% (w/w))	0160	0.9600	0.0000	0.9424	0.0642	0.0268	6	0.27	1%	0
718.99	Palmitoleic Acid (9c-16:1), Miscellaneous (% (w/w))	0164	3.220	0.0400	0.9424	0.0642	0.0268	6	35.48	121%	0
720.99	Margaric acid (17:0), Miscellaneous (% (w/w))	0171	0.0350	0.0100				1			0
720.99	Margaric acid (17:0), Miscellaneous (% (w/w))	2136	< 0.1					1			5
722.99	Stearic Acid (18:0), Miscellaneous (% (w/w))	0160	3.310	0.0600				3			0
722.99	Stearic Acid (18:0), Miscellaneous (% (w/w))	2136	3.350	0.3000				3			0
722.99	Stearic Acid (18:0), Miscellaneous (% (w/w))	2124	3.370	0.0400				3			0
722.99	Stearic Acid (18:0), Miscellaneous (% (w/w))	0171	2.600	0.1000				3			2
724.99	Oleic Acid (9c-18:1), Miscellaneous (% (w/w))	0171	11.94	0.0900				3			0
724.99	Oleic Acid (9c-18:1), Miscellaneous (% (w/w))	2124	13.00	0.1600				3			0
724.99	Oleic Acid (9c-18:1), Miscellaneous (% (w/w))	0160	13.80	0.2000				3			0
724.99	Oleic Acid (9c-18:1), Miscellaneous (% (w/w))	2136	12.50	1.000				3			1
724.99	Oleic Acid (9c-18:1), Miscellaneous (% (w/w))	0164	38.54	0.1900				3			2
726.99	Linoleic Acid (9c,12c-18:2), Miscellaneous (% (w/w))	0171	5.125	0.0100	5.862	0.8079	0.1707	6	-0.91	6%	0
726.99	Linoleic Acid (9c,12c-18:2), Miscellaneous (% (w/w))	2136	5.200	0.4000	5.862	0.8079	0.1707	6	-0.82	6%	0
726.99	Linoleic Acid (9c,12c-18:2), Miscellaneous (% (w/w))	0676	5.705	0.0740	5.862	0.8079	0.1707	6	-0.19	1%	0
726.99	Linoleic Acid (9c,12c-18:2), Miscellaneous (% (w/w))	2124	6.000	0.0800	5.862	0.8079	0.1707	6	0.17	1%	0
726.99	Linoleic Acid (9c,12c-18:2), Miscellaneous (% (w/w))	0160	6.070	0.0800	5.862	0.8079	0.1707	6	0.26	2%	0
726.99	Linoleic Acid (9c,12c-18:2), Miscellaneous (% (w/w))	0164	16.66	0.3800	5.862	0.8079	0.1707	6	13.36	92%	0
728.99	alpha-Linolenic Acid (9c,12c,15c-18:3), Miscellaneous (% (w/w))	0171	0.0650	0.0100	0.1025	0.0260	0.0060	4			0
728.99	alpha-Linolenic Acid (9c,12c,15c-18:3), Miscellaneous (% (w/w))	0676	0.1100	0.0040	0.1025	0.0260	0.0060	4			0
728.99	alpha-Linolenic Acid (9c,12c,15c-18:3), Miscellaneous (% (w/w))	2124	0.1100	0.0000	0.1025	0.0260	0.0060	4			0
728.99	alpha-Linolenic Acid (9c,12c,15c-18:3), Miscellaneous (% (w/w))	0160	0.1250	0.0100	0.1025	0.0260	0.0060	4			0
728.99	alpha-Linolenic Acid (9c,12c,15c-18:3), Miscellaneous (% (w/w))	0164	0.3250	0.0100	0.1025	0.0260	0.0060	4			2
728.99	alpha-Linolenic Acid (9c,12c,15c-18:3), Miscellaneous (% (w/w))	2136	< 0.1		0.1025	0.0260	0.0060	4			5
730.99	Arachidic Acid (20:0), Miscellaneous (% (w/w))	0160	0.0100	0.0000				1			0
730.99	Arachidic Acid (20:0), Miscellaneous (% (w/w))	2136	< 0.1					1			5
732.99	Gondoic Acid (11c-20:1), Miscellaneous (% (w/w))	0171	0.0450	0.0100				1			0
732.99	Gondoic Acid (11c-20:1), Miscellaneous (% (w/w))	2136	< 0.1					1			5
736.99	Arachidonic Acid (5c,8c,11c,14c-20:4), Miscellaneous (% (w/w))	0171	0.3650	0.0700				3			0
736.99	Arachidonic Acid (5c,8c,11c,14c-20:4), Miscellaneous (% (w/w))	0676	0.6735	0.0170				3			0
736.99	Arachidonic Acid (5c,8c,11c,14c-20:4), Miscellaneous (% (w/w))	0160	0.7100	0.0200				3			0
738.99	Mead Acid (11c,14c,17c-20:3), Miscellaneous (% (w/w))	0171	0.0300	0.0000				1			0
740.99	Eicosapentaenoic Acid EPA (5c,8c,11c,14c,17c-20:5), Mis	0676	0.0000	0.0000				0			4
740.99	Eicosapentaenoic Acid EPA (5c,8c,11c,14c,17c-20:5), Mis	2124	< 0.01					0			5
742.99	Behenic Acid (22:0), Miscellaneous (% (w/w))	0164	0.0300	0.0000				1			0
742.99	Behenic Acid (22:0), Miscellaneous (% (w/w))	2136	< 0.1					1			5
744.99	Erucic Acid (13c-22:1), Miscellaneous (% (w/w))	0160	0.0300	0.0000				1			0
746.99	Docosapentaenoic Acid n-3 DPA (7c,10c,13c,16c,19c-22:!	0676	0.0225	0.0010				2			0
746.99	Docosapentaenoic Acid n-3 DPA (7c,10c,13c,16c,19c-22:!	0160	0.0300	0.0000				2			0
746.99	Docosapentaenoic Acid n-3 DPA (7c,10c,13c,16c,19c-22:!	2136	< 0.1					2			5

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT Z Score	Threshold %RSD	Flag	
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748.99	Lignoceric Acid (24:0), Miscellaneous (% (w/w))	2136	< 0.1						0		5	
750.99	Docosahexaenoic Acid DHA (4c,7c,10c,13c,16c,19c-22:6)	0171	0.0900	0.0000	0.1523	0.0456	0.0060		4		0	
750.99	Docosahexaenoic Acid DHA (4c,7c,10c,13c,16c,19c-22:6)	0676	0.1490	0.0040	0.1523	0.0456	0.0060		4		0	
750.99	Docosahexaenoic Acid DHA (4c,7c,10c,13c,16c,19c-22:6)	2124	0.1750	0.0100	0.1523	0.0456	0.0060		4		0	
750.99	Docosahexaenoic Acid DHA (4c,7c,10c,13c,16c,19c-22:6)	0160	0.1950	0.0100	0.1523	0.0456	0.0060		4		0	
750.99	Docosahexaenoic Acid DHA (4c,7c,10c,13c,16c,19c-22:6)	2136	< 0.1		0.1523	0.0456	0.0060		4		5	
752.99	Nervonic Acid (24:1) isomers, Miscellaneous (% (w/w))	0160	0.0250	0.0100					1		0	
752.99	Nervonic Acid (24:1) isomers, Miscellaneous (% (w/w))	2136	< 0.1						1		5	
754.99	Total n-3 Polyunsaturated (Omega-3) Fatty Acids, Miscellaneous	0171	0.1400	0.0200	0.3980	0.2869	0.0280		5		0	
754.99	Total n-3 Polyunsaturated (Omega-3) Fatty Acids, Miscellaneous	0676	0.2850	0.0100	0.3980	0.2869	0.0280		5		0	
754.99	Total n-3 Polyunsaturated (Omega-3) Fatty Acids, Miscellaneous	2124	0.3200	0.0600	0.3980	0.2869	0.0280		5		0	
754.99	Total n-3 Polyunsaturated (Omega-3) Fatty Acids, Miscellaneous	0160	0.3550	0.0100	0.3980	0.2869	0.0280		5		0	
754.99	Total n-3 Polyunsaturated (Omega-3) Fatty Acids, Miscellaneous	0164	0.8900	0.0400	0.3980	0.2869	0.0280		5		0	
754.99	Total n-3 Polyunsaturated (Omega-3) Fatty Acids, Miscellaneous	2136	0.7950	0.2900	0.3980	0.2869	0.0280		5		1	
756.99	Total n-6 Polyunsaturated (Omega-6) Fatty Acids, Miscellaneous	2136	5.340	0.3800	6.744	1.434	0.2032		6	-0.98	10%	0
756.99	Total n-6 Polyunsaturated (Omega-6) Fatty Acids, Miscellaneous	0171	5.641	0.0790	6.744	1.434	0.2032		6	-0.77	8%	0
756.99	Total n-6 Polyunsaturated (Omega-6) Fatty Acids, Miscellaneous	0676	6.575	0.0900	6.744	1.434	0.2032		6	-0.12	1%	0
756.99	Total n-6 Polyunsaturated (Omega-6) Fatty Acids, Miscellaneous	0160	6.935	0.0900	6.744	1.434	0.2032		6	0.13	1%	0
756.99	Total n-6 Polyunsaturated (Omega-6) Fatty Acids, Miscellaneous	2124	7.080	0.1400	6.744	1.434	0.2032		6	0.23	2%	0
756.99	Total n-6 Polyunsaturated (Omega-6) Fatty Acids, Miscellaneous	0164	19.56	0.4400	6.744	1.434	0.2032		6	8.94	95%	0
758.99	Total Saturated Fatty Acids, Miscellaneous (% (w/w))	0171	10.99	0.1600					3		0	
758.99	Total Saturated Fatty Acids, Miscellaneous (% (w/w))	0160	12.85	0.1000					3		0	
758.99	Total Saturated Fatty Acids, Miscellaneous (% (w/w))	2136	13.10	1.400					3		0	
758.99	Total Saturated Fatty Acids, Miscellaneous (% (w/w))	0164	36.93	0.6900					3		2	
762.99	Total Monounsaturated Fatty Acids, Miscellaneous (% (w/w))	0171	13.37	0.1000					3		0	
762.99	Total Monounsaturated Fatty Acids, Miscellaneous (% (w/w))	2136	14.45	1.300					3		0	
762.99	Total Monounsaturated Fatty Acids, Miscellaneous (% (w/w))	0164	41.96	0.2800					3		0	
764.99	Total cis Monounsaturated Fatty Acids, Miscellaneous (% (w/w))	0160	15.00	0.2000					1		0	
766.99	Total Polyunsaturated Fatty Acids, Miscellaneous (% (w/v))	0171	5.800	0.0800					3		0	
766.99	Total Polyunsaturated Fatty Acids, Miscellaneous (% (w/v))	2136	6.105	0.7100					3		0	
766.99	Total Polyunsaturated Fatty Acids, Miscellaneous (% (w/v))	0160	7.350	0.1000					3		0	
766.99	Total Polyunsaturated Fatty Acids, Miscellaneous (% (w/v))	0164	20.63	0.6700					3		2	
772.99	Total Fatty Acids, Miscellaneous (% (w/w))	2124	34.57	0.4000					1		0	

Notes: Interpreting Z Scores: Red indicates a normally distributed Z value >3 or <-3 (requires action), Orange = Z between 2 and 3 or -2 and -3 (warning) and Green = Z < 2 and >-2 (OK at 95%). Flags indicate data usage: 0 = Used, 1 = Rejected for duplicates too far apart, 2 = Rejected as outlier, 5 = A reporting limit and 4 = zeros submitted as values. Robust statistics not used if < 6 labs reporting, in the case of 4 or 5 labs reporting Means and SD's may be reported based on Raw Data with obvious blunders removed (Mandel h and k exclusions apply; Grey). Flag 3 indicates not used in statistics.