

Soybean Hulls

Pet Food Ingredient Scheme

Labs Reporting: 56

Test Material Code # 201941

Method Proficiency Testing Report

Issue Date : 03/31/2019

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
000.99	Urea, Miscellaneous (%)	0619	0.0965	0.0130				1			0
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0504	8.355	0.0700				3			0
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0309	8.437	0.1380				3			0
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0027	8.459	0.0140				3			0
001.03	Loss on Drying, Low temp. methods (%)	0619	8.445	0.1700				2			0
001.03	Loss on Drying, Low temp. methods (%)	2124	8.780	0.4200				2			0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0845	7.790	0.3600	8.926	0.2181	0.1085	14	-5.21	6%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0074	8.500	0.0000	8.926	0.2181	0.1085	14	-1.95	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2156	8.775	0.1300	8.926	0.2181	0.1085	14	-0.69	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2187	8.810	0.0200	8.926	0.2181	0.1085	14	-0.53	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0876	8.857	0.0520	8.926	0.2181	0.1085	14	-0.32	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2252	8.925	0.3900	8.926	0.2181	0.1085	14	0.00	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0171	8.940	0.0200	8.926	0.2181	0.1085	14	0.06	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2219	8.965	0.0900	8.926	0.2181	0.1085	14	0.18	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2220	8.970	0.2200	8.926	0.2181	0.1085	14	0.20	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0065	8.973	0.1333	8.926	0.2181	0.1085	14	0.22	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0407	9.008	0.0038	8.926	0.2181	0.1085	14	0.38	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0098	9.035	0.0300	8.926	0.2181	0.1085	14	0.50	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0529	9.455	0.0100	8.926	0.2181	0.1085	14	2.43	3%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0873	10.41	0.0600	8.926	0.2181	0.1085	14	6.80	8%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0019	8.150	1.100	8.926	0.2181	0.1085	14	-3.56	4%	1
001.99	Loss on Drying, Miscellaneous (%)	2155	7.290	0.3600	8.387	0.3405	0.2225	8	-3.22	7%	0
001.99	Loss on Drying, Miscellaneous (%)	0918	8.160	0.2200	8.387	0.3405	0.2225	8	-0.67	1%	0
001.99	Loss on Drying, Miscellaneous (%)	2115	8.265	0.0100	8.387	0.3405	0.2225	8	-0.36	1%	0
001.99	Loss on Drying, Miscellaneous (%)	0889	8.350	0.0000	8.387	0.3405	0.2225	8	-0.11	0%	0
001.99	Loss on Drying, Miscellaneous (%)	0034	8.495	0.5500	8.387	0.3405	0.2225	8	0.32	1%	0
001.99	Loss on Drying, Miscellaneous (%)	0510	8.500	0.0000	8.387	0.3405	0.2225	8	0.33	1%	0
001.99	Loss on Drying, Miscellaneous (%)	0656	8.550	0.2000	8.387	0.3405	0.2225	8	0.48	1%	0
001.99	Loss on Drying, Miscellaneous (%)	0019	8.910	0.4400	8.387	0.3405	0.2225	8	1.54	3%	0
002.00	Protein, Crude, Crude (%)	0845	9.565	0.1500				1			0
002.01	Protein, Crude, Auto Kjeh-Foss (%)	0914	9.680	0.2600	9.952	0.2643	0.1270	5			0
002.01	Protein, Crude, Auto Kjeh-Foss (%)	0870	9.740	0.0950	9.952	0.2643	0.1270	5			0
002.01	Protein, Crude, Auto Kjeh-Foss (%)	0619	9.905	0.0300	9.952	0.2643	0.1270	5			0

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			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
002.01	Protein, Crude, Auto Kjel-Foss (%)	0164	10.13	0.2500	9.952	0.2643	0.1270	5			0
002.01	Protein, Crude, Auto Kjel-Foss (%)	0889	10.31	0.0000	9.952	0.2643	0.1270	5			0
002.04	Protein, Crude, Copper Catalyst (%)	0504	10.08	0.0500				2			0
002.04	Protein, Crude, Copper Catalyst (%)	2122	10.13	0.0000				2			0
002.05	Protein, Crude, Copper, Boric Acid (%)	2058	9.890	0.1200				2			0
002.05	Protein, Crude, Copper, Boric Acid (%)	2115	10.08	0.0200				2			0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0873	8.005	0.1500	10.27	0.3124	0.1984	47	-7.24	11%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0529	9.485	0.2700	10.27	0.3124	0.1984	47	-2.50	4%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0047	9.830	0.1400	10.27	0.3124	0.1984	47	-1.40	2%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2124	9.835	0.0300	10.27	0.3124	0.1984	47	-1.38	2%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2058	9.875	0.1300	10.27	0.3124	0.1984	47	-1.25	2%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2169	9.880	0.0600	10.27	0.3124	0.1984	47	-1.24	2%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0619	9.890	0.0400	10.27	0.3124	0.1984	47	-1.21	2%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2220	9.895	0.1100	10.27	0.3124	0.1984	47	-1.19	2%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0098	9.940	0.3200	10.27	0.3124	0.1984	47	-1.05	2%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0065	9.941	0.0622	10.27	0.3124	0.1984	47	-1.04	2%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0870	10.02	0.0600	10.27	0.3124	0.1984	47	-0.80	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0074	10.05	0.0700	10.27	0.3124	0.1984	47	-0.71	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0964	10.05	0.0600	10.27	0.3124	0.1984	47	-0.70	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0208	10.10	0.0000	10.27	0.3124	0.1984	47	-0.53	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0171	10.12	0.0800	10.27	0.3124	0.1984	47	-0.47	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0918	10.17	0.5100	10.27	0.3124	0.1984	47	-0.33	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0051	10.21	0.5900	10.27	0.3124	0.1984	47	-0.20	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2162	10.21	0.0900	10.27	0.3124	0.1984	47	-0.20	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2187	10.22	0.0300	10.27	0.3124	0.1984	47	-0.17	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0164	10.22	0.1800	10.27	0.3124	0.1984	47	-0.15	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0202	10.25	0.0940	10.27	0.3124	0.1984	47	-0.06	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0504	10.27	0.3200	10.27	0.3124	0.1984	47	0.01	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0957	10.27	0.4600	10.27	0.3124	0.1984	47	0.01	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2156	10.30	0.6200	10.27	0.3124	0.1984	47	0.11	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2219	10.34	0.6900	10.27	0.3124	0.1984	47	0.22	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2252	10.34	0.5660	10.27	0.3124	0.1984	47	0.24	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2207	10.35	0.1000	10.27	0.3124	0.1984	47	0.27	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2016	10.37	0.1200	10.27	0.3124	0.1984	47	0.33	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2050	10.37	0.1000	10.27	0.3124	0.1984	47	0.33	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0309	10.37	0.1569	10.27	0.3124	0.1984	47	0.33	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0876	10.38	0.2000	10.27	0.3124	0.1984	47	0.36	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0958	10.39	0.1800	10.27	0.3124	0.1984	47	0.40	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2033	10.42	0.1400	10.27	0.3124	0.1984	47	0.49	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0242	10.44	0.0700	10.27	0.3124	0.1984	47	0.54	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0510	10.45	0.1000	10.27	0.3124	0.1984	47	0.59	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0027	10.45	0.0920	10.27	0.3124	0.1984	47	0.59	1%	0

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			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0553	10.46	0.1400	10.27	0.3124	0.1984	47	0.62	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0407	10.49	0.3730	10.27	0.3124	0.1984	47	0.72	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2184	10.50	0.0800	10.27	0.3124	0.1984	47	0.75	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0554	10.52	0.1100	10.27	0.3124	0.1984	47	0.80	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0019	10.58	0.6500	10.27	0.3124	0.1984	47	0.99	2%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0511	10.63	0.0800	10.27	0.3124	0.1984	47	1.16	2%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2089	10.66	0.3400	10.27	0.3124	0.1984	47	1.26	2%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0001	10.72	0.0000	10.27	0.3124	0.1984	47	1.45	2%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0034	10.78	0.0310	10.27	0.3124	0.1984	47	1.64	2%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0656	10.79	0.2800	10.27	0.3124	0.1984	47	1.68	3%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0650	12.46	0.2500	10.27	0.3124	0.1984	47	7.01	11%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2155	10.08	0.9780	10.27	0.3124	0.1984	47	-0.61	1%	1
002.11	Protein, Crude, NIR (%)	0889	9.690	0.1400				1			0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	2156	0.5300	0.6000	0.8803	0.4476	0.2789	6	-0.78	20%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	2219	0.6150	0.1900	0.8803	0.4476	0.2789	6	-0.59	15%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	2252	0.6200	0.3600	0.8803	0.4476	0.2789	6	-0.58	15%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	2220	0.8300	0.0600	0.8803	0.4476	0.2789	6	-0.11	3%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	2115	1.135	0.0300	0.8803	0.4476	0.2789	6	0.57	14%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	0309	1.572	0.4335	0.8803	0.4476	0.2789	6	1.55	39%	0
003.01	Fat, Crude, Diethyl Ether Ext (13th ed.), Indirect (%)	0504	1.495	0.0900				1			0
003.06	Fat, Crude, Pet Ether (%)	2033	0.9300	0.0400				3			0
003.06	Fat, Crude, Pet Ether (%)	0656	1.140	0.1400				3			0
003.06	Fat, Crude, Pet Ether (%)	0918	1.575	0.0900				3			0
003.06	Fat, Crude, Pet Ether (%)	0511	1.370	0.7000				3			1
003.09	Fat, Crude, Randall, Diethyl Ether Ext (%)	0027	1.195	0.0630				3			0
003.09	Fat, Crude, Randall, Diethyl Ether Ext (%)	0870	1.275	0.0585				3			0
003.09	Fat, Crude, Randall, Diethyl Ether Ext (%)	0098	1.290	0.0200				3			0
003.10	Fat, Crude, Randall, Pet Ether (%)	0242	0.9300	0.1000	1.057	0.0572	0.0657	8	-2.22	6%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0553	1.025	0.0900	1.057	0.0572	0.0657	8	-0.56	2%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	2184	1.025	0.0100	1.057	0.0572	0.0657	8	-0.56	2%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0051	1.050	0.1000	1.057	0.0572	0.0657	8	-0.12	0%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	2155	1.065	0.0900	1.057	0.0572	0.0657	8	0.14	0%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0098	1.080	0.0200	1.057	0.0572	0.0657	8	0.41	1%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0870	1.118	0.0555	1.057	0.0572	0.0657	8	1.07	3%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	2162	1.120	0.0600	1.057	0.0572	0.0657	8	1.11	3%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0889	1.165	1.230	1.057	0.0572	0.0657	8	1.89	5%	1
003.11	Fat, Crude, NIR (%)	0889	0.7400	0.0400				1			0
003.12	Fat, Crude, Hexane Ext (%)	0171	1.130	0.0200				2			0
003.12	Fat, Crude, Hexane Ext (%)	2058	1.375	0.0700				2			0
003.13	Fat, Crude, Randall, Hexane Ext. (%)	0098	1.155	0.0300				3			0
003.13	Fat, Crude, Randall, Hexane Ext. (%)	0870	1.291	0.0427				3			0
003.13	Fat, Crude, Randall, Hexane Ext. (%)	2089	1.685	1.270				3			0

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003.14	Fat, Crude, Ankom (%)	0529	0.8200	0.2200	0.9904	0.1225	0.1182	9	-1.39	9%	0
003.14	Fat, Crude, Ankom (%)	0407	0.8504	0.0322	0.9904	0.1225	0.1182	9	-1.14	7%	0
003.14	Fat, Crude, Ankom (%)	0019	0.9500	0.1600	0.9904	0.1225	0.1182	9	-0.33	2%	0
003.14	Fat, Crude, Ankom (%)	0876	0.9860	0.2160	0.9904	0.1225	0.1182	9	-0.04	0%	0
003.14	Fat, Crude, Ankom (%)	2207	1.000	0.0000	0.9904	0.1225	0.1182	9	0.08	0%	0
003.14	Fat, Crude, Ankom (%)	0202	1.028	0.0560	0.9904	0.1225	0.1182	9	0.31	2%	0
003.14	Fat, Crude, Ankom (%)	0034	1.045	0.2300	0.9904	0.1225	0.1182	9	0.45	3%	0
003.14	Fat, Crude, Ankom (%)	2115	1.060	0.0400	0.9904	0.1225	0.1182	9	0.57	4%	0
003.14	Fat, Crude, Ankom (%)	0619	1.715	0.1100	0.9904	0.1225	0.1182	9	5.91	37%	0
004.00	Fiber, Crude, Asbestos Free (%)	0208	36.20	0.4000	37.22	1.275	0.3559	6	-0.80	1%	0
004.00	Fiber, Crude, Asbestos Free (%)	0164	36.50	0.4000	37.22	1.275	0.3559	6	-0.56	1%	0
004.00	Fiber, Crude, Asbestos Free (%)	0171	36.57	0.0100	37.22	1.275	0.3559	6	-0.51	1%	0
004.00	Fiber, Crude, Asbestos Free (%)	0309	36.93	0.3755	37.22	1.275	0.3559	6	-0.23	0%	0
004.00	Fiber, Crude, Asbestos Free (%)	0504	37.99	0.1400	37.22	1.275	0.3559	6	0.60	1%	0
004.00	Fiber, Crude, Asbestos Free (%)	2165	40.28	0.8100	37.22	1.275	0.3559	6	2.40	4%	0
004.00	Fiber, Crude, Asbestos Free (%)	0511	37.65	2.900	37.22	1.275	0.3559	6	0.34	1%	1
004.03	Fiber, Crude, Fritted Glass (%)	2089	32.03	0.2100				2			0
004.03	Fiber, Crude, Fritted Glass (%)	2058	37.57	0.0000				2			0
004.06	Fiber, Crude, Fibertec (%)	2115	35.30	0.2500	36.59	1.005	0.2338	4			0
004.06	Fiber, Crude, Fibertec (%)	0027	36.30	0.1050	36.59	1.005	0.2338	4			0
004.06	Fiber, Crude, Fibertec (%)	0918	37.36	0.4100	36.59	1.005	0.2338	4			0
004.06	Fiber, Crude, Fibertec (%)	0845	37.42	0.1700	36.59	1.005	0.2338	4			0
004.07	Fiber, Crude, ANKOM (%)	0202	34.40	0.0690	36.70	0.9943	0.2686	15	-2.32	3%	0
004.07	Fiber, Crude, ANKOM (%)	2115	35.48	0.1300	36.70	0.9943	0.2686	15	-1.23	2%	0
004.07	Fiber, Crude, ANKOM (%)	2033	35.55	0.3000	36.70	0.9943	0.2686	15	-1.15	2%	0
004.07	Fiber, Crude, ANKOM (%)	0242	36.18	0.4300	36.70	0.9943	0.2686	15	-0.53	1%	0
004.07	Fiber, Crude, ANKOM (%)	0510	36.20	0.2000	36.70	0.9943	0.2686	15	-0.50	1%	0
004.07	Fiber, Crude, ANKOM (%)	0407	36.38	0.1240	36.70	0.9943	0.2686	15	-0.32	0%	0
004.07	Fiber, Crude, ANKOM (%)	0619	36.70	0.2000	36.70	0.9943	0.2686	15	0.00	0%	0
004.07	Fiber, Crude, ANKOM (%)	0870	36.82	0.4540	36.70	0.9943	0.2686	15	0.13	0%	0
004.07	Fiber, Crude, ANKOM (%)	2124	36.89	0.0700	36.70	0.9943	0.2686	15	0.19	0%	0
004.07	Fiber, Crude, ANKOM (%)	0034	36.94	0.2100	36.70	0.9943	0.2686	15	0.24	0%	0
004.07	Fiber, Crude, ANKOM (%)	0876	37.15	0.0220	36.70	0.9943	0.2686	15	0.46	1%	0
004.07	Fiber, Crude, ANKOM (%)	0019	37.39	0.5900	36.70	0.9943	0.2686	15	0.69	1%	0
004.07	Fiber, Crude, ANKOM (%)	0074	37.51	0.4700	36.70	0.9943	0.2686	15	0.81	1%	0
004.07	Fiber, Crude, ANKOM (%)	2207	37.90	0.0000	36.70	0.9943	0.2686	15	1.21	2%	0
004.07	Fiber, Crude, ANKOM (%)	0656	40.38	0.7600	36.70	0.9943	0.2686	15	3.70	5%	0
004.07	Fiber, Crude, ANKOM (%)	0529	39.91	1.860	36.70	0.9943	0.2686	15	3.23	4%	1
004.11	Fiber, Crude, NIR (%)	0889	32.41	0.0500				1			0
005.00	Ash, 2h @ 600°C (%)	0510	4.180	0.0600	4.476	0.1093	0.0610	39	-2.71	3%	0
005.00	Ash, 2h @ 600°C (%)	0034	4.185	0.3321	4.476	0.1093	0.0610	39	-2.66	3%	0
005.00	Ash, 2h @ 600°C (%)	2184	4.205	0.1100	4.476	0.1093	0.0610	39	-2.48	3%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
005.00	Ash, 2h @ 600°C (%)	2162	4.240	0.0400	4.476	0.1093	0.0610	39	-2.16	3%	0
005.00	Ash, 2h @ 600°C (%)	0957	4.320	0.1400	4.476	0.1093	0.0610	39	-1.43	2%	0
005.00	Ash, 2h @ 600°C (%)	0918	4.345	0.0100	4.476	0.1093	0.0610	39	-1.20	1%	0
005.00	Ash, 2h @ 600°C (%)	0964	4.376	0.0450	4.476	0.1093	0.0610	39	-0.92	1%	0
005.00	Ash, 2h @ 600°C (%)	0650	4.400	0.0400	4.476	0.1093	0.0610	39	-0.69	1%	0
005.00	Ash, 2h @ 600°C (%)	0208	4.405	0.1700	4.476	0.1093	0.0610	39	-0.65	1%	0
005.00	Ash, 2h @ 600°C (%)	2252	4.410	0.0000	4.476	0.1093	0.0610	39	-0.60	1%	0
005.00	Ash, 2h @ 600°C (%)	0511	4.435	0.0100	4.476	0.1093	0.0610	39	-0.37	0%	0
005.00	Ash, 2h @ 600°C (%)	0656	4.450	0.1400	4.476	0.1093	0.0610	39	-0.24	0%	0
005.00	Ash, 2h @ 600°C (%)	0047	4.450	0.1000	4.476	0.1093	0.0610	39	-0.24	0%	0
005.00	Ash, 2h @ 600°C (%)	0051	4.450	0.1000	4.476	0.1093	0.0610	39	-0.24	0%	0
005.00	Ash, 2h @ 600°C (%)	0958	4.450	0.0000	4.476	0.1093	0.0610	39	-0.24	0%	0
005.00	Ash, 2h @ 600°C (%)	2033	4.450	0.1000	4.476	0.1093	0.0610	39	-0.24	0%	0
005.00	Ash, 2h @ 600°C (%)	0870	4.452	0.0340	4.476	0.1093	0.0610	39	-0.22	0%	0
005.00	Ash, 2h @ 600°C (%)	2156	4.455	0.0300	4.476	0.1093	0.0610	39	-0.19	0%	0
005.00	Ash, 2h @ 600°C (%)	0027	4.468	0.0060	4.476	0.1093	0.0610	39	-0.07	0%	0
005.00	Ash, 2h @ 600°C (%)	2016	4.470	0.0200	4.476	0.1093	0.0610	39	-0.05	0%	0
005.00	Ash, 2h @ 600°C (%)	2207	4.470	0.0400	4.476	0.1093	0.0610	39	-0.05	0%	0
005.00	Ash, 2h @ 600°C (%)	0098	4.495	0.0500	4.476	0.1093	0.0610	39	0.18	0%	0
005.00	Ash, 2h @ 600°C (%)	2220	4.495	0.0300	4.476	0.1093	0.0610	39	0.18	0%	0
005.00	Ash, 2h @ 600°C (%)	0019	4.500	0.0000	4.476	0.1093	0.0610	39	0.22	0%	0
005.00	Ash, 2h @ 600°C (%)	0001	4.502	0.0041	4.476	0.1093	0.0610	39	0.24	0%	0
005.00	Ash, 2h @ 600°C (%)	0309	4.505	0.0300	4.476	0.1093	0.0610	39	0.27	0%	0
005.00	Ash, 2h @ 600°C (%)	0845	4.515	0.0900	4.476	0.1093	0.0610	39	0.36	0%	0
005.00	Ash, 2h @ 600°C (%)	0164	4.515	0.0300	4.476	0.1093	0.0610	39	0.36	0%	0
005.00	Ash, 2h @ 600°C (%)	2219	4.540	0.0000	4.476	0.1093	0.0610	39	0.59	1%	0
005.00	Ash, 2h @ 600°C (%)	0407	4.548	0.0041	4.476	0.1093	0.0610	39	0.67	1%	0
005.00	Ash, 2h @ 600°C (%)	2115	4.550	0.0400	4.476	0.1093	0.0610	39	0.68	1%	0
005.00	Ash, 2h @ 600°C (%)	0529	4.555	0.0300	4.476	0.1093	0.0610	39	0.73	1%	0
005.00	Ash, 2h @ 600°C (%)	0171	4.580	0.0400	4.476	0.1093	0.0610	39	0.95	1%	0
005.00	Ash, 2h @ 600°C (%)	0504	4.605	0.0700	4.476	0.1093	0.0610	39	1.18	1%	0
005.00	Ash, 2h @ 600°C (%)	2089	4.605	0.0700	4.476	0.1093	0.0610	39	1.18	1%	0
005.00	Ash, 2h @ 600°C (%)	0876	4.620	0.0030	4.476	0.1093	0.0610	39	1.32	2%	0
005.00	Ash, 2h @ 600°C (%)	0914	4.650	0.0200	4.476	0.1093	0.0610	39	1.60	2%	0
005.00	Ash, 2h @ 600°C (%)	2124	4.650	0.0600	4.476	0.1093	0.0610	39	1.60	2%	0
005.00	Ash, 2h @ 600°C (%)	0242	4.890	0.2800	4.476	0.1093	0.0610	39	3.79	5%	0
005.00	Ash, 2h @ 600°C (%)	0873	2.665	0.4300	4.476	0.1093	0.0610	39	-16.57	20%	2
005.03	Ash, Microwave furnace (%)	2187	4.500	0.0400				1			0
005.05	Ash, 3h @ 550°C (%)	0889	4.480	0.0400	4.590	0.1321	0.0313	5			0
005.05	Ash, 3h @ 550°C (%)	0065	4.527	0.0067	4.590	0.1321	0.0313	5			0
005.05	Ash, 3h @ 550°C (%)	2058	4.535	0.0100	4.590	0.1321	0.0313	5			0
005.05	Ash, 3h @ 550°C (%)	2050	4.595	0.0900	4.590	0.1321	0.0313	5			0

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			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
005.05	Ash, 3h @ 550°C (%)	0619	4.815	0.0100	4.590	0.1321	0.0313	5			0
005.11	Ash, NIR (%)	0889	4.150	0.1800				1			0
005.99	Ash, Miscellaneous (%)	2169	4.300	0.0400				2			0
005.99	Ash, Miscellaneous (%)	0202	4.365	0.0360				2			0
006.00	Total Sugars, As sucrose (%)	0407	2.177	0.0740				1			0
007.00	Urease, Act pH Chng (%)	0529	0.2850	0.0100				1			0
008.02	Fiber, Acid Detergent, Crucible (%)	0504	44.41	0.4200				3			0
008.02	Fiber, Acid Detergent, Crucible (%)	0309	45.40	1.040				3			0
008.02	Fiber, Acid Detergent, Crucible (%)	0964	47.47	0.1710				3			0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0870	42.90	0.4900	44.96	1.445	0.2634	6	-1.43	2%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	2115	44.21	0.3300	44.96	1.445	0.2634	6	-0.52	1%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0619	45.00	0.4000	44.96	1.445	0.2634	6	0.03	0%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0407	45.43	0.2606	44.96	1.445	0.2634	6	0.32	1%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0001	45.69	0.0000	44.96	1.445	0.2634	6	0.50	1%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0164	46.55	0.1000	44.96	1.445	0.2634	6	1.10	2%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0918	45.34	2.310	44.96	1.445	0.2634	6	0.26	0%	1
008.99	Fiber, Acid Detergent, Miscellaneous (%)	0511	47.10	3.600				1			0
009.04	Fiber, Neutral Detergent, Neutral Det-No ENZ Pretreat (%)	0504	59.95	0.0400				1			0
009.07	Fiber, Neutral Detergent, AOAC -ENZ Pretreat (%)	0964	61.22	1.547				2			0
009.07	Fiber, Neutral Detergent, AOAC -ENZ Pretreat (%)	0309	65.79	2.150				2			0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0001	58.87	0.2500	60.05	1.299	0.4018	7	-0.91	1%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0619	59.15	0.5000	60.05	1.299	0.4018	7	-0.69	1%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0870	59.21	0.0300	60.05	1.299	0.4018	7	-0.65	1%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	2115	59.38	0.0800	60.05	1.299	0.4018	7	-0.51	1%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0918	60.90	1.307	60.05	1.299	0.4018	7	0.66	1%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0164	61.25	0.3000	60.05	1.299	0.4018	7	0.93	1%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0407	61.58	0.3456	60.05	1.299	0.4018	7	1.18	1%	0
009.99	Fiber, Neutral Detergent, Miscellaneous (%)	0889	59.02	0.1000				1			0
010.11	Moisture, NIR (%)	0889	8.730	0.0200				1			0
010.99	Moisture, Miscellaneous (%)	0964	8.777	0.0950	9.190	0.5112	0.2063	4			0
010.99	Moisture, Miscellaneous (%)	2089	8.830	0.0200	9.190	0.5112	0.2063	4			0
010.99	Moisture, Miscellaneous (%)	0914	9.275	0.4100	9.190	0.5112	0.2063	4			0
010.99	Moisture, Miscellaneous (%)	2169	9.880	0.3000	9.190	0.5112	0.2063	4			0
011.01	Loss on Drying, 135°C 2hr (%)	2016	8.695	0.2300	9.322	0.1820	0.1458	21	-3.45	3%	0
011.01	Loss on Drying, 135°C 2hr (%)	0309	8.940	0.0400	9.322	0.1820	0.1458	21	-2.10	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	2207	9.000	0.0000	9.322	0.1820	0.1458	21	-1.77	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0208	9.100	0.2800	9.322	0.1820	0.1458	21	-1.22	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0511	9.195	0.2900	9.322	0.1820	0.1458	21	-0.70	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0957	9.255	0.5700	9.322	0.1820	0.1458	21	-0.37	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0958	9.260	0.0200	9.322	0.1820	0.1458	21	-0.34	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0510	9.300	0.0000	9.322	0.1820	0.1458	21	-0.12	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0051	9.320	0.1800	9.322	0.1820	0.1458	21	-0.01	0%	0

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011.01	Loss on Drying, 135°C 2hr (%)	0242	9.330	0.0200	9.322	0.1820	0.1458	21	0.04	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	2162	9.345	0.5500	9.322	0.1820	0.1458	21	0.12	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0047	9.350	0.1000	9.322	0.1820	0.1458	21	0.15	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0202	9.400	0.2620	9.322	0.1820	0.1458	21	0.43	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0171	9.405	0.0100	9.322	0.1820	0.1458	21	0.45	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0098	9.425	0.1700	9.322	0.1820	0.1458	21	0.56	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0407	9.427	0.0000	9.322	0.1820	0.1458	21	0.57	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	2058	9.440	0.0200	9.322	0.1820	0.1458	21	0.65	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0164	9.440	0.0600	9.322	0.1820	0.1458	21	0.65	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0870	9.475	0.0700	9.322	0.1820	0.1458	21	0.84	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0650	9.570	0.0800	9.322	0.1820	0.1458	21	1.36	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	2184	9.585	0.1100	9.322	0.1820	0.1458	21	1.44	1%	0
011.02	Loss on Drying, 130°C for 2 hours (%)	0554	8.155	0.0300				2			0
011.02	Loss on Drying, 130°C for 2 hours (%)	2033	9.010	0.0200				2			0
012.00	Starch, Polarimetric (Ewers) (%)	0619	5.480	0.3200				1			0
012.01	Starch, Enzymatic-Colorimetric Method (Megazyme) (%)	0164	0.2000	0.0000				3			0
012.01	Starch, Enzymatic-Colorimetric Method (Megazyme) (%)	0870	0.3911	0.0188				3			0
012.01	Starch, Enzymatic-Colorimetric Method (Megazyme) (%)	2089	0.8200	0.0000				3			0
012.01	Starch, Enzymatic-Colorimetric Method (Megazyme) (%)	0918	0.8090	0.0640				3			1
012.03	Starch, Enzymatic-Colorimetric Method, Miscellaneous (%)	0407	0.1900	0.1200				3			0
012.03	Starch, Enzymatic-Colorimetric Method, Miscellaneous (%)	2124	0.3000	0.0000				3			0
012.03	Starch, Enzymatic-Colorimetric Method, Miscellaneous (%)	0889	0.6300	0.0200				3			0
012.11	Starch, NIR (%)	0889	3.480	0.4600				1			0
013.00	Fat, Acid Pretreat, Acid hydrolysis (%)	2187	1.550	0.0600	2.157	0.6487	0.1163	6	-0.94	14%	0
013.00	Fat, Acid Pretreat, Acid hydrolysis (%)	0242	1.780	0.0800	2.157	0.6487	0.1163	6	-0.58	9%	0
013.00	Fat, Acid Pretreat, Acid hydrolysis (%)	0407	1.895	0.0005	2.157	0.6487	0.1163	6	-0.40	6%	0
013.00	Fat, Acid Pretreat, Acid hydrolysis (%)	0309	2.068	0.1195	2.157	0.6487	0.1163	6	-0.14	2%	0
013.00	Fat, Acid Pretreat, Acid hydrolysis (%)	2016	2.545	0.2100	2.157	0.6487	0.1163	6	0.60	9%	0
013.00	Fat, Acid Pretreat, Acid hydrolysis (%)	0202	3.105	0.2280	2.157	0.6487	0.1163	6	1.46	22%	0
013.02	Fat, Acid Pretreat, Mojonniier, Bak Ext (%)	0098	1.655	0.1900	2.253	0.4012	0.1935	12	-1.49	13%	0
013.02	Fat, Acid Pretreat, Mojonniier, Bak Ext (%)	0650	1.915	0.2900	2.253	0.4012	0.1935	12	-0.84	7%	0
013.02	Fat, Acid Pretreat, Mojonniier, Bak Ext (%)	0074	1.965	0.6700	2.253	0.4012	0.1935	12	-0.72	6%	0
013.02	Fat, Acid Pretreat, Mojonniier, Bak Ext (%)	0873	2.025	0.1300	2.253	0.4012	0.1935	12	-0.57	5%	0
013.02	Fat, Acid Pretreat, Mojonniier, Bak Ext (%)	0208	2.115	0.1500	2.253	0.4012	0.1935	12	-0.34	3%	0
013.02	Fat, Acid Pretreat, Mojonniier, Bak Ext (%)	0914	2.175	0.4500	2.253	0.4012	0.1935	12	-0.19	2%	0
013.02	Fat, Acid Pretreat, Mojonniier, Bak Ext (%)	0958	2.180	0.1000	2.253	0.4012	0.1935	12	-0.18	2%	0
013.02	Fat, Acid Pretreat, Mojonniier, Bak Ext (%)	0870	2.328	0.0976	2.253	0.4012	0.1935	12	0.19	2%	0
013.02	Fat, Acid Pretreat, Mojonniier, Bak Ext (%)	0164	2.540	0.0600	2.253	0.4012	0.1935	12	0.72	6%	0
013.02	Fat, Acid Pretreat, Mojonniier, Bak Ext (%)	0957	2.625	0.0100	2.253	0.4012	0.1935	12	0.93	8%	0
013.02	Fat, Acid Pretreat, Mojonniier, Bak Ext (%)	0171	2.695	0.1100	2.253	0.4012	0.1935	12	1.10	10%	0
013.02	Fat, Acid Pretreat, Mojonniier, Bak Ext (%)	0001	2.817	0.0639	2.253	0.4012	0.1935	12	1.41	13%	0
013.10	Fat, Acid Pretreat, Soxtec-Acid Hydrolysis (%)	0554	0.8900	0.0600				3			0

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013.10	Fat, Acid Pretreat, Soxtec-Acid Hydrolysis (%)	2124	1.660	0.0400				3			0
013.10	Fat, Acid Pretreat, Soxtec-Acid Hydrolysis (%)	2162	1.720	0.1200				3			0
013.13	Fat, Acid Pretreat, Ankom- Acid Hydrolysis (%)	0027	1.864	0.1228				2			0
013.13	Fat, Acid Pretreat, Ankom- Acid Hydrolysis (%)	0407	2.398	0.0147				2			0
015.41	Aluminum, ICP, Dry ash (mg / kg (ppm))	0407	82.00	1.562				3			0
015.41	Aluminum, ICP, Dry ash (mg / kg (ppm))	0964	103.5	0.0980				3			0
015.41	Aluminum, ICP, Dry ash (mg / kg (ppm))	0171	156.7	3.500				3			0
015.43	Aluminum, ICP, Microwave (mg / kg (ppm))	0918	75.74	21.86				2			0
015.43	Aluminum, ICP, Microwave (mg / kg (ppm))	0510	78.00	2.000				2			0
015.53	Aluminum, ICP-MS, Microwave (mg / kg (ppm))	0553	97.30	21.40				1			0
017.41	Boron, ICP, Dry ash (mg / kg (ppm))	0407	19.40	0.3664				1			0
017.43	Boron, ICP, Microwave (mg / kg (ppm))	0918	18.91	0.4400				2			0
017.43	Boron, ICP, Microwave (mg / kg (ppm))	0510	20.00	0.0000				2			0
017.53	Boron, ICP-MS, Microwave (mg / kg (ppm))	0553	22.25	0.3000				1			0
019.31	Calcium, AAS, Dry ash (%)	0001	0.6281	0.0411	0.6695	0.0356	0.0153	4			0
019.31	Calcium, AAS, Dry ash (%)	0656	0.6550	0.0100	0.6695	0.0356	0.0153	4			0
019.31	Calcium, AAS, Dry ash (%)	0529	0.6850	0.0100	0.6695	0.0356	0.0153	4			0
019.31	Calcium, AAS, Dry ash (%)	2115	0.7100	0.0000	0.6695	0.0356	0.0153	4			0
019.41	Calcium, ICP, Dry ash (%)	0171	0.5350	0.0100	0.5686	0.0207	0.0192	9	-1.62	3%	0
019.41	Calcium, ICP, Dry ash (%)	0051	0.5500	0.0000	0.5686	0.0207	0.0192	9	-0.90	2%	0
019.41	Calcium, ICP, Dry ash (%)	0098	0.5550	0.0100	0.5686	0.0207	0.0192	9	-0.66	1%	0
019.41	Calcium, ICP, Dry ash (%)	0208	0.5690	0.0360	0.5686	0.0207	0.0192	9	0.02	0%	0
019.41	Calcium, ICP, Dry ash (%)	0019	0.5700	0.0000	0.5686	0.0207	0.0192	9	0.07	0%	0
019.41	Calcium, ICP, Dry ash (%)	0164	0.5740	0.0160	0.5686	0.0207	0.0192	9	0.26	0%	0
019.41	Calcium, ICP, Dry ash (%)	0407	0.5819	0.0206	0.5686	0.0207	0.0192	9	0.64	1%	0
019.41	Calcium, ICP, Dry ash (%)	0074	0.5850	0.0100	0.5686	0.0207	0.0192	9	0.79	1%	0
019.41	Calcium, ICP, Dry ash (%)	0511	0.5950	0.0700	0.5686	0.0207	0.0192	9	1.27	2%	0
019.42	Calcium, ICP, Open vessel (%)	0870	0.5744	0.0534				2			0
019.42	Calcium, ICP, Open vessel (%)	2207	0.5850	0.0100				2			0
019.43	Calcium, ICP, Microwave (%)	2187	0.5198	0.0014	0.5744	0.0416	0.0091	12	-1.31	5%	0
019.43	Calcium, ICP, Microwave (%)	0914	0.5345	0.0048	0.5744	0.0416	0.0091	12	-0.96	3%	0
019.43	Calcium, ICP, Microwave (%)	2058	0.5415	0.0010	0.5744	0.0416	0.0091	12	-0.79	3%	0
019.43	Calcium, ICP, Microwave (%)	0510	0.5450	0.0100	0.5744	0.0416	0.0091	12	-0.71	3%	0
019.43	Calcium, ICP, Microwave (%)	0202	0.5465	0.0030	0.5744	0.0416	0.0091	12	-0.67	2%	0
019.43	Calcium, ICP, Microwave (%)	0964	0.5755	0.0138	0.5744	0.0416	0.0091	12	0.03	0%	0
019.43	Calcium, ICP, Microwave (%)	2033	0.5800	0.0000	0.5744	0.0416	0.0091	12	0.13	0%	0
019.43	Calcium, ICP, Microwave (%)	2124	0.5950	0.0100	0.5744	0.0416	0.0091	12	0.49	2%	0
019.43	Calcium, ICP, Microwave (%)	2089	0.6000	0.0000	0.5744	0.0416	0.0091	12	0.61	2%	0
019.43	Calcium, ICP, Microwave (%)	0918	0.6035	0.0270	0.5744	0.0416	0.0091	12	0.70	3%	0
019.43	Calcium, ICP, Microwave (%)	0098	0.6150	0.0100	0.5744	0.0416	0.0091	12	0.98	4%	0
019.43	Calcium, ICP, Microwave (%)	0027	0.6500	0.0280	0.5744	0.0416	0.0091	12	1.82	7%	0
019.44	Calcium, ICP, Dry ash (%)	2220	0.5150	0.0100	0.5348	0.0161	0.0124	7	-1.23	2%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
019.44	Calcium, ICP, Dry ash (%)	0873	0.5200	0.0200	0.5348	0.0161	0.0124	7	-0.92	1%	0
019.44	Calcium, ICP, Dry ash (%)	2156	0.5300	0.0200	0.5348	0.0161	0.0124	7	-0.30	0%	0
019.44	Calcium, ICP, Dry ash (%)	2252	0.5360	0.0000	0.5348	0.0161	0.0124	7	0.08	0%	0
019.44	Calcium, ICP, Dry ash (%)	0065	0.5425	0.0050	0.5348	0.0161	0.0124	7	0.48	1%	0
019.44	Calcium, ICP, Dry ash (%)	2219	0.5450	0.0300	0.5348	0.0161	0.0124	7	0.64	1%	0
019.44	Calcium, ICP, Dry ash (%)	2114	0.5550	0.0020	0.5348	0.0161	0.0124	7	1.26	2%	0
019.52	Calcium, ICP-MS, Open vessel (%)	0047	0.6150	0.0100				1			0
019.53	Calcium, ICP-MS, Microwave (%)	0553	0.5900	0.0240				1			0
019.99	Calcium, Miscellaneous (%)	0619	0.5400	0.0760				3			0
019.99	Calcium, Miscellaneous (%)	0889	0.5650	0.0100				3			0
019.99	Calcium, Miscellaneous (%)	0242	0.6300	0.0000				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))	0619	0.5020	0.0460				3			0
021.41	Cobalt, ICP, Dry ash (mg / kg (ppm))	0407	0.7814	0.0264				3			0
021.41	Cobalt, ICP, Dry ash (mg / kg (ppm))	0171	0.8950	0.0280				3			0
021.43	Cobalt, ICP, Microwave (mg / kg (ppm))	2033	0.7800	0.0200				3			0
021.43	Cobalt, ICP, Microwave (mg / kg (ppm))	0510	0.8350	0.1100				3			0
021.43	Cobalt, ICP, Microwave (mg / kg (ppm))	0964	0.8670	0.0491				3			0
021.52	Cobalt, ICP-MS, Open vessel (mg / kg (ppm))	2207	0.3500	0.1000				2			0
021.52	Cobalt, ICP-MS, Open vessel (mg / kg (ppm))	0047	0.5425	0.0850				2			0
021.53	Cobalt, ICP-MS, Microwave (mg / kg (ppm))	0918	0.5311	0.1906				3			0
021.53	Cobalt, ICP-MS, Microwave (mg / kg (ppm))	0553	0.6420	0.1000				3			0
021.53	Cobalt, ICP-MS, Microwave (mg / kg (ppm))	0914	0.7195	0.3050				3			0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0656	1.180	0.0000				3			0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	2115	9.170	0.0800				3			0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0529	11.06	1.380				3			0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0208	7.824	0.1310	9.072	1.002	0.3655	9	-1.25	7%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0407	8.257	0.4282	9.072	1.002	0.3655	9	-0.81	4%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0051	8.275	0.3500	9.072	1.002	0.3655	9	-0.80	4%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0164	8.900	0.2000	9.072	1.002	0.3655	9	-0.17	1%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0511	9.000	0.0000	9.072	1.002	0.3655	9	-0.07	0%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0171	9.330	0.3600	9.072	1.002	0.3655	9	0.26	1%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0074	9.500	1.000	9.072	1.002	0.3655	9	0.43	2%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0098	9.990	0.5000	9.072	1.002	0.3655	9	0.92	5%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0019	11.03	0.3200	9.072	1.002	0.3655	9	1.95	11%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0870	8.937	0.3950				2			0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	2207	9.000	0.0000				2			0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	2058	6.960	0.0200	9.037	0.8310	0.4014	10	-2.50	11%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0918	8.210	0.1800	9.037	0.8310	0.4014	10	-1.00	5%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0098	8.660	0.0000	9.037	0.8310	0.4014	10	-0.45	2%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0964	8.973	0.6639	9.037	0.8310	0.4014	10	-0.08	0%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	2124	8.980	0.0600	9.037	0.8310	0.4014	10	-0.07	0%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0510	9.000	0.0000	9.037	0.8310	0.4014	10	-0.04	0%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0202	9.016	0.5190	9.037	0.8310	0.4014	10	-0.03	0%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0027	9.694	0.8110	9.037	0.8310	0.4014	10	0.79	4%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	2089	9.850	0.9600	9.037	0.8310	0.4014	10	0.98	4%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	2033	10.20	0.8000	9.037	0.8310	0.4014	10	1.40	6%	0
022.44	Copper, ICP, Dry ash (mg / kg (ppm))	2114	3.635	0.0710				1			0
022.52	Copper, ICP-MS, Open vessel (mg / kg (ppm))	0047	10.59	0.1400				1			0
022.53	Copper, ICP-MS, Microwave (mg / kg (ppm))	0914	6.369	0.7570				2			0
022.53	Copper, ICP-MS, Microwave (mg / kg (ppm))	0553	8.575	0.2700				2			0
022.99	Copper, Miscellaneous (mg / kg (ppm))	0619	7.480	0.1800				2			0
022.99	Copper, Miscellaneous (mg / kg (ppm))	0242	9.000	0.0000				2			0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	2115	407.5	0.5700				3			0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0001	420.8	6.900				3			0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0656	449.0	6.790				3			0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0529	427.0	38.70				3			1
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	2114	304.1	7.948	403.3	21.22	13.31	10	-4.67	12%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0407	376.0	3.739	403.3	21.22	13.31	10	-1.28	3%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0171	392.0	0.5000	403.3	21.22	13.31	10	-0.53	1%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0098	404.0	39.00	403.3	21.22	13.31	10	0.03	0%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0164	404.5	1.000	403.3	21.22	13.31	10	0.06	0%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0208	406.9	18.80	403.3	21.22	13.31	10	0.17	0%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0511	412.0	34.00	403.3	21.22	13.31	10	0.41	1%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0051	414.0	10.00	403.3	21.22	13.31	10	0.51	1%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0019	421.9	14.10	403.3	21.22	13.31	10	0.88	2%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0074	430.0	4.000	403.3	21.22	13.31	10	1.26	3%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0870	379.9	31.20				2			0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	2207	404.5	9.000				2			0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0914	387.6	17.10	417.0	22.09	8.971	10	-1.33	4%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0510	391.5	3.000	417.0	22.09	8.971	10	-1.15	3%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	2058	401.7	12.41	417.0	22.09	8.971	10	-0.69	2%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0918	414.9	2.500	417.0	22.09	8.971	10	-0.10	0%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0027	418.5	2.050	417.0	22.09	8.971	10	0.07	0%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	2033	420.0	0.0000	417.0	22.09	8.971	10	0.14	0%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0964	421.3	11.45	417.0	22.09	8.971	10	0.19	1%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	2124	426.5	17.00	417.0	22.09	8.971	10	0.43	1%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0098	438.0	10.00	417.0	22.09	8.971	10	0.95	3%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	2089	458.2	14.20	417.0	22.09	8.971	10	1.86	5%	0
025.52	Iron, ICP-MS, Open vessel (mg / kg (ppm))	0047	507.4	26.60				1			0
025.53	Iron, ICP-MS, Microwave (mg / kg (ppm))	0553	390.5	7.000				1			0
025.99	Iron, Miscellaneous (mg / kg (ppm))	0619	344.0	22.00				2			0
025.99	Iron, Miscellaneous (mg / kg (ppm))	0242	414.5	1.000				2			0
027.31	Magnesium, AAS, Dry ash (%)	0529	0.2300	0.0200	0.2606	0.0238	0.0130	4			0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
027.31	Magnesium, AAS, Dry ash (%)	2115	0.2550	0.0100	0.2606	0.0238	0.0130	4			0
027.31	Magnesium, AAS, Dry ash (%)	0001	0.2724	0.0121	0.2606	0.0238	0.0130	4			0
027.31	Magnesium, AAS, Dry ash (%)	0656	0.2850	0.0100	0.2606	0.0238	0.0130	4			0
027.41	Magnesium, ICP, Dry ash (%)	0407	0.2286	0.0011	0.2483	0.0139	0.0122	10	-1.42	4%	0
027.41	Magnesium, ICP, Dry ash (%)	0171	0.2315	0.0010	0.2483	0.0139	0.0122	10	-1.21	3%	0
027.41	Magnesium, ICP, Dry ash (%)	0051	0.2415	0.0044	0.2483	0.0139	0.0122	10	-0.49	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0511	0.2450	0.0500	0.2483	0.0139	0.0122	10	-0.24	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0619	0.2495	0.0330	0.2483	0.0139	0.0122	10	0.08	0%	0
027.41	Magnesium, ICP, Dry ash (%)	0098	0.2500	0.0000	0.2483	0.0139	0.0122	10	0.12	0%	0
027.41	Magnesium, ICP, Dry ash (%)	0164	0.2535	0.0010	0.2483	0.0139	0.0122	10	0.37	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0208	0.2565	0.0290	0.2483	0.0139	0.0122	10	0.59	2%	0
027.41	Magnesium, ICP, Dry ash (%)	0074	0.2580	0.0020	0.2483	0.0139	0.0122	10	0.69	2%	0
027.41	Magnesium, ICP, Dry ash (%)	0019	0.2700	0.0000	0.2483	0.0139	0.0122	10	1.55	4%	0
027.42	Magnesium, ICP, Open vessel (%)	0870	0.2463	0.0139				2			0
027.42	Magnesium, ICP, Open vessel (%)	2207	0.2600	0.0000				2			0
027.43	Magnesium, ICP, Microwave (%)	2187	0.2388	0.0089	0.2548	0.0163	0.0058	12	-0.98	3%	0
027.43	Magnesium, ICP, Microwave (%)	0202	0.2400	0.0020	0.2548	0.0163	0.0058	12	-0.91	3%	0
027.43	Magnesium, ICP, Microwave (%)	0510	0.2400	0.0000	0.2548	0.0163	0.0058	12	-0.91	3%	0
027.43	Magnesium, ICP, Microwave (%)	0918	0.2415	0.0010	0.2548	0.0163	0.0058	12	-0.82	3%	0
027.43	Magnesium, ICP, Microwave (%)	2058	0.2420	0.0100	0.2548	0.0163	0.0058	12	-0.78	3%	0
027.43	Magnesium, ICP, Microwave (%)	2124	0.2550	0.0100	0.2548	0.0163	0.0058	12	0.01	0%	0
027.43	Magnesium, ICP, Microwave (%)	0964	0.2597	0.0114	0.2548	0.0163	0.0058	12	0.30	1%	0
027.43	Magnesium, ICP, Microwave (%)	0098	0.2600	0.0000	0.2548	0.0163	0.0058	12	0.32	1%	0
027.43	Magnesium, ICP, Microwave (%)	2089	0.2600	0.0000	0.2548	0.0163	0.0058	12	0.32	1%	0
027.43	Magnesium, ICP, Microwave (%)	2033	0.2650	0.0100	0.2548	0.0163	0.0058	12	0.63	2%	0
027.43	Magnesium, ICP, Microwave (%)	0027	0.2760	0.0060	0.2548	0.0163	0.0058	12	1.31	4%	0
027.43	Magnesium, ICP, Microwave (%)	0914	0.2952	0.0105	0.2548	0.0163	0.0058	12	2.48	8%	0
027.44	Magnesium, ICP, Dry ash (%)	0873	0.2045	0.0030	0.2396	0.0128	0.0061	7	-2.75	7%	0
027.44	Magnesium, ICP, Dry ash (%)	2220	0.2300	0.0100	0.2396	0.0128	0.0061	7	-0.75	2%	0
027.44	Magnesium, ICP, Dry ash (%)	2156	0.2395	0.0030	0.2396	0.0128	0.0061	7	-0.01	0%	0
027.44	Magnesium, ICP, Dry ash (%)	2252	0.2400	0.0020	0.2396	0.0128	0.0061	7	0.03	0%	0
027.44	Magnesium, ICP, Dry ash (%)	2219	0.2445	0.0170	0.2396	0.0128	0.0061	7	0.38	1%	0
027.44	Magnesium, ICP, Dry ash (%)	0065	0.2513	0.0025	0.2396	0.0128	0.0061	7	0.91	2%	0
027.44	Magnesium, ICP, Dry ash (%)	2114	0.2515	0.0050	0.2396	0.0128	0.0061	7	0.93	2%	0
027.52	Magnesium, ICP-MS, Open vessel (%)	0047	0.2750	0.0100				1			0
027.53	Magnesium, ICP-MS, Microwave (%)	0553	0.2550	0.0020				1			0
027.99	Magnesium, Miscellaneous (%)	0889	0.2150	0.0100				2			0
027.99	Magnesium, Miscellaneous (%)	0242	0.2600	0.0000				2			0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0001	22.45	0.5500	24.99	1.989	1.610	4			0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0529	24.70	2.800	24.99	1.989	1.610	4			0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	2115	25.61	0.0900	24.99	1.989	1.610	4			0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0656	27.21	3.000	24.99	1.989	1.610	4			0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0511	23.00	2.000	24.54	1.643	1.158	9	-0.94	3%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0098	23.30	1.660	24.54	1.643	1.158	9	-0.75	3%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0051	23.39	0.2600	24.54	1.643	1.158	9	-0.70	2%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0407	23.98	1.419	24.54	1.643	1.158	9	-0.34	1%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0171	24.03	0.0600	24.54	1.643	1.158	9	-0.31	1%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0208	24.13	0.5200	24.54	1.643	1.158	9	-0.25	1%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0164	25.50	1.000	24.54	1.643	1.158	9	0.59	2%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0074	26.50	1.000	24.54	1.643	1.158	9	1.19	4%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0019	27.02	2.500	24.54	1.643	1.158	9	1.51	5%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0870	25.06	1.550				2			0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	2207	26.00	2.000				2			0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0510	21.00	0.0000	25.53	2.617	1.478	11	-1.73	9%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	2058	21.74	0.0300	25.53	2.617	1.478	11	-1.45	7%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	2089	24.25	0.0500	25.53	2.617	1.478	11	-0.49	3%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0964	25.01	2.308	25.53	2.617	1.478	11	-0.20	1%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	2124	25.50	3.000	25.53	2.617	1.478	11	-0.01	0%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	2033	25.90	0.2000	25.53	2.617	1.478	11	0.14	1%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0202	26.05	0.5430	25.53	2.617	1.478	11	0.20	1%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0914	26.65	5.900	25.53	2.617	1.478	11	0.43	2%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0918	27.32	0.6000	25.53	2.617	1.478	11	0.68	4%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0098	28.15	1.000	25.53	2.617	1.478	11	1.00	5%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0027	28.66	2.626	25.53	2.617	1.478	11	1.20	6%	0
028.44	Manganese, ICP, Dry ash (mg / kg (ppm))	2114	18.58	0.0360				1			0
028.52	Manganese, ICP-MS, Open vessel (mg / kg (ppm))	0047	27.37	2.050				1			0
028.53	Manganese, ICP-MS, Microwave (mg / kg (ppm))	0553	23.50	0.6000				1			0
028.99	Manganese, Miscellaneous (mg / kg (ppm))	0619	16.00	1.600				2			0
028.99	Manganese, Miscellaneous (mg / kg (ppm))	0242	25.00	2.000				2			0
031.01	Phosphorus, Photometric (%)	0656	0.0400	0.0000	0.1056	0.0055	0.0038	9	-11.93	31%	0
031.01	Phosphorus, Photometric (%)	2220	0.1000	0.0000	0.1056	0.0055	0.0038	9	-1.02	3%	0
031.01	Phosphorus, Photometric (%)	0511	0.1050	0.0100	0.1056	0.0055	0.0038	9	-0.11	0%	0
031.01	Phosphorus, Photometric (%)	0529	0.1050	0.0100	0.1056	0.0055	0.0038	9	-0.11	0%	0
031.01	Phosphorus, Photometric (%)	2156	0.1050	0.0100	0.1056	0.0055	0.0038	9	-0.11	0%	0
031.01	Phosphorus, Photometric (%)	0208	0.1055	0.0010	0.1056	0.0055	0.0038	9	-0.02	0%	0
031.01	Phosphorus, Photometric (%)	2115	0.1100	0.0000	0.1056	0.0055	0.0038	9	0.80	2%	0
031.01	Phosphorus, Photometric (%)	2219	0.1100	0.0000	0.1056	0.0055	0.0038	9	0.80	2%	0
031.01	Phosphorus, Photometric (%)	2252	0.1126	0.0028	0.1056	0.0055	0.0038	9	1.27	3%	0
031.02	Phosphorus, GQMP (AOAC 935.13-Extraction) (%)	2058	0.1100	0.0000				1			0
031.03	Phosphorus, Autoanalyzer (%)	0001	0.1075	0.0110				1			0
031.41	Phosphorus, ICP, Dry ash (%)	0019	0.1000	0.0000	0.1080	0.0070	0.0023	9	-1.13	4%	0
031.41	Phosphorus, ICP, Dry ash (%)	2114	0.1020	0.0000	0.1080	0.0070	0.0023	9	-0.85	3%	0
031.41	Phosphorus, ICP, Dry ash (%)	0208	0.1040	0.0100	0.1080	0.0070	0.0023	9	-0.56	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	0407	0.1044	0.0011	0.1080	0.0070	0.0023	9	-0.51	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			
031.41	Phosphorus, ICP, Dry ash (%)	0164	0.1080	0.0020	0.1080	0.0070	0.0023	9	0.00	0%	0
031.41	Phosphorus, ICP, Dry ash (%)	0051	0.1088	0.0020	0.1080	0.0070	0.0023	9	0.12	0%	0
031.41	Phosphorus, ICP, Dry ash (%)	0171	0.1100	0.0000	0.1080	0.0070	0.0023	9	0.29	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0074	0.1160	0.0000	0.1080	0.0070	0.0023	9	1.14	4%	0
031.41	Phosphorus, ICP, Dry ash (%)	0098	0.1209	0.0059	0.1080	0.0070	0.0023	9	1.83	6%	0
031.42	Phosphorus, ICP, Open vessel (%)	0870	0.1060	0.0068				3			0
031.42	Phosphorus, ICP, Open vessel (%)	2207	0.1150	0.0100				3			0
031.42	Phosphorus, ICP, Open vessel (%)	0047	0.1500	0.0000				3			0
031.43	Phosphorus, ICP, Microwave (%)	2187	0.1044	0.0009	0.1118	0.0059	0.0022	12	-1.26	3%	0
031.43	Phosphorus, ICP, Microwave (%)	0202	0.1050	0.0000	0.1118	0.0059	0.0022	12	-1.15	3%	0
031.43	Phosphorus, ICP, Microwave (%)	2033	0.1090	0.0020	0.1118	0.0059	0.0022	12	-0.47	1%	0
031.43	Phosphorus, ICP, Microwave (%)	2058	0.1090	0.0040	0.1118	0.0059	0.0022	12	-0.47	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0510	0.1100	0.0000	0.1118	0.0059	0.0022	12	-0.30	1%	0
031.43	Phosphorus, ICP, Microwave (%)	2124	0.1100	0.0000	0.1118	0.0059	0.0022	12	-0.30	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0964	0.1107	0.0027	0.1118	0.0059	0.0022	12	-0.19	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0914	0.1117	0.0076	0.1118	0.0059	0.0022	12	-0.01	0%	0
031.43	Phosphorus, ICP, Microwave (%)	0027	0.1140	0.0020	0.1118	0.0059	0.0022	12	0.38	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0918	0.1175	0.0010	0.1118	0.0059	0.0022	12	0.97	3%	0
031.43	Phosphorus, ICP, Microwave (%)	2089	0.1200	0.0000	0.1118	0.0059	0.0022	12	1.39	4%	0
031.43	Phosphorus, ICP, Microwave (%)	0098	0.1201	0.0063	0.1118	0.0059	0.0022	12	1.40	4%	0
031.44	Phosphorus, ICP, Dry ash (%)	0065	0.1100	0.0000				2			0
031.44	Phosphorus, ICP, Dry ash (%)	0873	0.2150	0.0100				2			0
031.53	Phosphorus, ICP-MS, Microwave (%)	0553	0.1155	0.0030				1			0
031.99	Phosphorus, Miscellaneous (%)	0619	0.1015	0.0090				3			0
031.99	Phosphorus, Miscellaneous (%)	0242	0.1100	0.0000				3			0
031.99	Phosphorus, Miscellaneous (%)	0889	0.1150	0.0100				3			0
032.31	Potassium, AAS, Dry ash (%)	2115	1.085	0.0300				3			0
032.31	Potassium, AAS, Dry ash (%)	0529	1.215	0.0300				3			0
032.31	Potassium, AAS, Dry ash (%)	0656	1.310	0.0200				3			0
032.41	Potassium, ICP, Dry ash (%)	0019	1.175	0.0700	1.262	0.0610	0.0463	9	-1.42	3%	0
032.41	Potassium, ICP, Dry ash (%)	0208	1.190	0.0780	1.262	0.0610	0.0463	9	-1.18	3%	0
032.41	Potassium, ICP, Dry ash (%)	0171	1.220	0.0000	1.262	0.0610	0.0463	9	-0.69	2%	0
032.41	Potassium, ICP, Dry ash (%)	0407	1.276	0.0381	1.262	0.0610	0.0463	9	0.22	1%	0
032.41	Potassium, ICP, Dry ash (%)	0074	1.280	0.0200	1.262	0.0610	0.0463	9	0.30	1%	0
032.41	Potassium, ICP, Dry ash (%)	0164	1.280	0.0200	1.262	0.0610	0.0463	9	0.30	1%	0
032.41	Potassium, ICP, Dry ash (%)	0098	1.305	0.0300	1.262	0.0610	0.0463	9	0.71	2%	0
032.41	Potassium, ICP, Dry ash (%)	0051	1.307	0.0305	1.262	0.0610	0.0463	9	0.73	2%	0
032.41	Potassium, ICP, Dry ash (%)	0511	1.325	0.1300	1.262	0.0610	0.0463	9	1.03	2%	0
032.42	Potassium, ICP, Open vessel (%)	0870	1.274	0.0950				3			0
032.42	Potassium, ICP, Open vessel (%)	2207	1.340	0.0200				3			0
032.42	Potassium, ICP, Open vessel (%)	0047	1.395	0.1100				3			0
032.43	Potassium, ICP, Microwave (%)	0914	1.115	0.0422	1.279	0.0839	0.0343	12	-1.95	6%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
032.43	Potassium, ICP, Microwave (%)	2187	1.116	0.0001	1.279	0.0839	0.0343	12	-1.94	6%	0
032.43	Potassium, ICP, Microwave (%)	0918	1.226	0.0150	1.279	0.0839	0.0343	12	-0.63	2%	0
032.43	Potassium, ICP, Microwave (%)	0964	1.231	0.1120	1.279	0.0839	0.0343	12	-0.57	2%	0
032.43	Potassium, ICP, Microwave (%)	2058	1.258	0.0010	1.279	0.0839	0.0343	12	-0.25	1%	0
032.43	Potassium, ICP, Microwave (%)	0098	1.300	0.0200	1.279	0.0839	0.0343	12	0.26	1%	0
032.43	Potassium, ICP, Microwave (%)	0510	1.315	0.0100	1.279	0.0839	0.0343	12	0.43	1%	0
032.43	Potassium, ICP, Microwave (%)	2089	1.325	0.0100	1.279	0.0839	0.0343	12	0.55	2%	0
032.43	Potassium, ICP, Microwave (%)	2124	1.325	0.0100	1.279	0.0839	0.0343	12	0.55	2%	0
032.43	Potassium, ICP, Microwave (%)	0202	1.343	0.0330	1.279	0.0839	0.0343	12	0.76	3%	0
032.43	Potassium, ICP, Microwave (%)	2033	1.350	0.1000	1.279	0.0839	0.0343	12	0.85	3%	0
032.43	Potassium, ICP, Microwave (%)	0027	1.366	0.0580	1.279	0.0839	0.0343	12	1.04	3%	0
032.44	Potassium, ICP, Dry ash (%)	2114	0.8935	0.0050	1.169	0.1423	0.0291	7	-1.93	12%	0
032.44	Potassium, ICP, Dry ash (%)	0873	1.040	0.0200	1.169	0.1423	0.0291	7	-0.90	5%	0
032.44	Potassium, ICP, Dry ash (%)	2220	1.175	0.0300	1.169	0.1423	0.0291	7	0.05	0%	0
032.44	Potassium, ICP, Dry ash (%)	2252	1.222	0.0140	1.169	0.1423	0.0291	7	0.38	2%	0
032.44	Potassium, ICP, Dry ash (%)	2156	1.225	0.0300	1.169	0.1423	0.0291	7	0.40	2%	0
032.44	Potassium, ICP, Dry ash (%)	2219	1.260	0.1000	1.169	0.1423	0.0291	7	0.64	4%	0
032.44	Potassium, ICP, Dry ash (%)	0065	1.303	0.0050	1.169	0.1423	0.0291	7	0.94	6%	0
032.53	Potassium, ICP-MS, Microwave (%)	0553	1.275	0.0300				1			0
032.99	Potassium, Miscellaneous (%)	0619	1.165	0.1300	1.286	0.0873	0.0435	4			0
032.99	Potassium, Miscellaneous (%)	0001	1.288	0.0440	1.286	0.0873	0.0435	4			0
032.99	Potassium, Miscellaneous (%)	0889	1.320	0.0000	1.286	0.0873	0.0435	4			0
032.99	Potassium, Miscellaneous (%)	0242	1.370	0.0000	1.286	0.0873	0.0435	4			0
033.00	Salt as chloride, Sol Cl (%)	0309	< 0.1					0			5
033.01	Salt as chloride, Poten Cl (%)	0242	0.0350	0.0100	0.0565	0.0171	0.0102	5			0
033.01	Salt as chloride, Poten Cl (%)	0098	0.0500	0.0200	0.0565	0.0171	0.0102	5			0
033.01	Salt as chloride, Poten Cl (%)	0407	0.0555	0.0010	0.0565	0.0171	0.0102	5			0
033.01	Salt as chloride, Poten Cl (%)	0650	0.0600	0.0200	0.0565	0.0171	0.0102	5			0
033.01	Salt as chloride, Poten Cl (%)	0510	0.0820	0.0000	0.0565	0.0171	0.0102	5			0
033.01	Salt as chloride, Poten Cl (%)	0164	< 0.1		0.0565	0.0171	0.0102	5			5
033.05	Salt as chloride, Ion Sel Electrode (%)	0171	0.0450	0.0000				1			0
034.04	Selenium, AA, Hydride (mg / kg (ppm))	0171	< 0.05					0			5
034.41	Selenium, ICP, Dry ash (mg / kg (ppm))	0407	1.129	0.0075				1			0
034.43	Selenium, ICP, Microwave (mg / kg (ppm))	2124	< 1					0			5
034.53	Selenium, ICP-MS, Microwave (mg / kg (ppm))	0553	0.1170	0.0160				2			0
034.53	Selenium, ICP-MS, Microwave (mg / kg (ppm))	0918	0.1316	0.0141				2			0
034.53	Selenium, ICP-MS, Microwave (mg / kg (ppm))	0164	< 0.1					2			5
035.31	Sodium, AAS, Dry ash (%)	0656	0.0300	0.0000				3			0
035.31	Sodium, AAS, Dry ash (%)	2115	0.0300	0.0000				3			0
035.31	Sodium, AAS, Dry ash (%)	0529	0.0395	0.0050				3			0
035.41	Sodium, ICP, Dry ash (%)	0873	0.0150	0.0100	0.0347	0.0081	0.0037	16	-2.43	28%	0
035.41	Sodium, ICP, Dry ash (%)	2114	0.0270	0.0020	0.0347	0.0081	0.0037	16	-0.95	11%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
035.41	Sodium, ICP, Dry ash (%)	0098	0.0288	0.0025	0.0347	0.0081	0.0037	16	-0.74	9%	0
035.41	Sodium, ICP, Dry ash (%)	0208	0.0290	0.0020	0.0347	0.0081	0.0037	16	-0.70	8%	0
035.41	Sodium, ICP, Dry ash (%)	0407	0.0298	0.0001	0.0347	0.0081	0.0037	16	-0.61	7%	0
035.41	Sodium, ICP, Dry ash (%)	2220	0.0305	0.0010	0.0347	0.0081	0.0037	16	-0.52	6%	0
035.41	Sodium, ICP, Dry ash (%)	2156	0.0330	0.0080	0.0347	0.0081	0.0037	16	-0.21	2%	0
035.41	Sodium, ICP, Dry ash (%)	0164	0.0335	0.0010	0.0347	0.0081	0.0037	16	-0.15	2%	0
035.41	Sodium, ICP, Dry ash (%)	0019	0.0350	0.0100	0.0347	0.0081	0.0037	16	0.03	0%	0
035.41	Sodium, ICP, Dry ash (%)	2219	0.0350	0.0100	0.0347	0.0081	0.0037	16	0.03	0%	0
035.41	Sodium, ICP, Dry ash (%)	0051	0.0359	0.0023	0.0347	0.0081	0.0037	16	0.14	2%	0
035.41	Sodium, ICP, Dry ash (%)	0065	0.0363	0.0025	0.0347	0.0081	0.0037	16	0.19	2%	0
035.41	Sodium, ICP, Dry ash (%)	0511	0.0400	0.0000	0.0347	0.0081	0.0037	16	0.65	8%	0
035.41	Sodium, ICP, Dry ash (%)	2252	0.0460	0.0060	0.0347	0.0081	0.0037	16	1.39	16%	0
035.41	Sodium, ICP, Dry ash (%)	0171	0.0465	0.0010	0.0347	0.0081	0.0037	16	1.45	17%	0
035.41	Sodium, ICP, Dry ash (%)	0619	0.0470	0.0000	0.0347	0.0081	0.0037	16	1.51	18%	0
035.42	Sodium, ICP, Open vessel (%)	0870	0.0265	0.0050				2			0
035.42	Sodium, ICP, Open vessel (%)	2207	0.0300	0.0000				2			0
035.43	Sodium, ICP, Microwave (%)	0914	0.0255	0.0001	0.0290	0.0032	0.0015	11	-1.09	6%	0
035.43	Sodium, ICP, Microwave (%)	0510	0.0260	0.0020	0.0290	0.0032	0.0015	11	-0.92	5%	0
035.43	Sodium, ICP, Microwave (%)	2033	0.0260	0.0020	0.0290	0.0032	0.0015	11	-0.92	5%	0
035.43	Sodium, ICP, Microwave (%)	2058	0.0260	0.0020	0.0290	0.0032	0.0015	11	-0.92	5%	0
035.43	Sodium, ICP, Microwave (%)	0964	0.0284	0.0008	0.0290	0.0032	0.0015	11	-0.17	1%	0
035.43	Sodium, ICP, Microwave (%)	0098	0.0293	0.0029	0.0290	0.0032	0.0015	11	0.09	1%	0
035.43	Sodium, ICP, Microwave (%)	2089	0.0300	0.0000	0.0290	0.0032	0.0015	11	0.32	2%	0
035.43	Sodium, ICP, Microwave (%)	2187	0.0302	0.0041	0.0290	0.0032	0.0015	11	0.37	2%	0
035.43	Sodium, ICP, Microwave (%)	2124	0.0315	0.0010	0.0290	0.0032	0.0015	11	0.79	4%	0
035.43	Sodium, ICP, Microwave (%)	0918	0.0320	0.0000	0.0290	0.0032	0.0015	11	0.95	5%	0
035.43	Sodium, ICP, Microwave (%)	0202	0.0340	0.0020	0.0290	0.0032	0.0015	11	1.57	9%	0
035.53	Sodium, ICP-MS, Microwave (%)	0553	0.0260	0.0020				1			0
035.99	Sodium, Miscellaneous (%)	0242	0.0300	0.0000				1			0
035.99	Sodium, Miscellaneous (%)	0889	0.0000	0.0000				1			4
036.04	Sulfur, LECO (%)	0001	0.1540	0.0100				1			0
036.42	Sulfur, ICP, Open vessel (%)	0870	0.0980	0.0040	0.1066	0.0072	0.0038	4			0
036.42	Sulfur, ICP, Open vessel (%)	0171	0.1045	0.0010	0.1066	0.0072	0.0038	4			0
036.42	Sulfur, ICP, Open vessel (%)	0407	0.1090	0.0002	0.1066	0.0072	0.0038	4			0
036.42	Sulfur, ICP, Open vessel (%)	2207	0.1150	0.0100	0.1066	0.0072	0.0038	4			0
036.43	Sulfur, ICP, Microwave (%)	0098	0.1070	0.0033	0.1194	0.0060	0.0052	7	-2.06	5%	0
036.43	Sulfur, ICP, Microwave (%)	0918	0.1150	0.0020	0.1194	0.0060	0.0052	7	-0.73	2%	0
036.43	Sulfur, ICP, Microwave (%)	0202	0.1200	0.0040	0.1194	0.0060	0.0052	7	0.10	0%	0
036.43	Sulfur, ICP, Microwave (%)	0510	0.1200	0.0000	0.1194	0.0060	0.0052	7	0.10	0%	0
036.43	Sulfur, ICP, Microwave (%)	2033	0.1200	0.0000	0.1194	0.0060	0.0052	7	0.10	0%	0
036.43	Sulfur, ICP, Microwave (%)	2089	0.1250	0.0100	0.1194	0.0060	0.0052	7	0.93	2%	0
036.43	Sulfur, ICP, Microwave (%)	0914	0.1254	0.0172	0.1194	0.0060	0.0052	7	1.00	3%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
036.53	Sulfur, ICP-MS, Microwave (%)	0553	0.1175	0.0010				1			0
036.99	Sulfur, Miscellaneous (%)	0242	0.1150	0.0100				3			0
036.99	Sulfur, Miscellaneous (%)	0619	0.1205	0.0030				3			0
036.99	Sulfur, Miscellaneous (%)	0889	0.1300	0.0000				3			0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0529	56.10	0.2000				3			0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	2115	63.46	0.1700				3			0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0656	65.74	1.080				3			0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0001	61.63	4.220				3			1
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0051	55.30	2.400	61.80	5.411	2.201	9	-1.20	5%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0208	58.26	0.7200	61.80	5.411	2.201	9	-0.65	3%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0164	59.00	2.000	61.80	5.411	2.201	9	-0.52	2%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0511	59.00	0.0000	61.80	5.411	2.201	9	-0.52	2%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0019	60.46	2.450	61.80	5.411	2.201	9	-0.25	1%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0407	61.36	0.5979	61.80	5.411	2.201	9	-0.08	0%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0074	66.00	6.000	61.80	5.411	2.201	9	0.78	3%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0171	66.92	0.0300	61.80	5.411	2.201	9	0.95	4%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0098	77.22	5.610	61.80	5.411	2.201	9	2.85	12%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0870	46.74	0.2800				2			0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	2207	61.00	4.000				2			0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	2058	56.34	4.060	63.36	5.339	2.101	10	-1.31	6%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0510	59.00	2.000	63.36	5.339	2.101	10	-0.82	3%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0964	60.71	3.880	63.36	5.339	2.101	10	-0.50	2%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0202	61.10	0.0330	63.36	5.339	2.101	10	-0.42	2%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0918	61.34	1.600	63.36	5.339	2.101	10	-0.38	2%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	2124	62.39	0.3400	63.36	5.339	2.101	10	-0.18	1%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	2033	65.10	0.4000	63.36	5.339	2.101	10	0.33	1%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	2089	67.26	0.2100	63.36	5.339	2.101	10	0.73	3%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0027	68.99	4.161	63.36	5.339	2.101	10	1.05	4%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0098	72.45	4.330	63.36	5.339	2.101	10	1.70	7%	0
037.44	Zinc, ICP, Dry ash (mg / kg (ppm))	2114	56.48	0.5060				1			0
037.52	Zinc, ICP-MS, Open vessel (mg / kg (ppm))	0047	55.29	0.5600				1			0
037.53	Zinc, ICP-MS, Microwave (mg / kg (ppm))	0914	63.49	4.520				2			0
037.53	Zinc, ICP-MS, Microwave (mg / kg (ppm))	0553	66.85	4.900				2			0
037.99	Zinc, Miscellaneous (mg / kg (ppm))	0242	58.00	0.0000				3			0
037.99	Zinc, Miscellaneous (mg / kg (ppm))	0619	58.15	1.500				3			0
037.99	Zinc, Miscellaneous (mg / kg (ppm))	0889	59.77	0.9200				3			0
038.41	Molybdenum, ICP, Dry ash (mg / kg (ppm))	0171	0.2655	0.0190				2			0
038.41	Molybdenum, ICP, Dry ash (mg / kg (ppm))	0407	0.2978	0.0263				2			0
038.43	Molybdenum, ICP, Microwave (mg / kg (ppm))	0510	0.5000	0.0000				1			0
038.53	Molybdenum, ICP-MS, Microwave (mg / kg (ppm))	0918	0.2911	0.0123				3			0
038.53	Molybdenum, ICP-MS, Microwave (mg / kg (ppm))	0553	0.3120	0.0380				3			0
038.53	Molybdenum, ICP-MS, Microwave (mg / kg (ppm))	0164	0.3260	0.0220				3			0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
040.53	Barium, ICP-MS, Microwave (mg / kg (ppm))	0918	4.101	0.3257				1		0	
041.53	Vanadium, ICP-MS, Microwave (mg / kg (ppm))	0553	0.1575	0.0230				1		0	
042.00	Chloride, Titrimetric (%)	2124	0.0300	0.0000				1		0	
102.02	Niacin, LC (mg / kg (ppm))	2124	17.63	0.2900				1		0	
103.02	Pantothenic Acid, LC (mg / kg (ppm))	2124	40.81	1.020				1		0	
104.03	Riboflavin, LC (mg / kg (ppm))	2124	0.4350	0.0500				1		0	
105.00	Thiamine, LC (mg / kg (ppm))	2124	1.925	0.1900				1		0	
112.01	Pyridoxine, LC (µg / g)	2124	< 2.5					0		5	
120.00	Alanine, Post-col Ninhydrin Der (%)	0918	0.4014	0.0016	0.4132	0.0073	0.0050	5		0	
120.00	Alanine, Post-col Ninhydrin Der (%)	0870	0.4117	0.0134	0.4132	0.0073	0.0050	5		0	
120.00	Alanine, Post-col Ninhydrin Der (%)	0227	0.4150	0.0100	0.4132	0.0073	0.0050	5		0	
120.00	Alanine, Post-col Ninhydrin Der (%)	0619	0.4180	0.0000	0.4132	0.0073	0.0050	5		0	
120.00	Alanine, Post-col Ninhydrin Der (%)	0504	0.4200	0.0000	0.4132	0.0073	0.0050	5		0	
120.05	Alanine, Pre-col AQC Der (%)	0407	0.3655	0.0010				2		0	
120.05	Alanine, Pre-col AQC Der (%)	0242	0.3825	0.0090				2		0	
121.00	Arginine, Post-col Ninhydrin Der (%)	0918	0.4376	0.0179	0.4598	0.0334	0.0080	5		0	
121.00	Arginine, Post-col Ninhydrin Der (%)	0504	0.4400	0.0000	0.4598	0.0334	0.0080	5		0	
121.00	Arginine, Post-col Ninhydrin Der (%)	0870	0.4404	0.0102	0.4598	0.0334	0.0080	5		0	
121.00	Arginine, Post-col Ninhydrin Der (%)	0227	0.4650	0.0100	0.4598	0.0334	0.0080	5		0	
121.00	Arginine, Post-col Ninhydrin Der (%)	0619	0.5160	0.0020	0.4598	0.0334	0.0080	5		0	
121.05	Arginine, Pre-col AQC Der (%)	0242	0.4015	0.0170				2		0	
121.05	Arginine, Pre-col AQC Der (%)	0407	0.4260	0.0060				2		0	
122.00	Aspartic, Post-col Ninhydrin Der (%)	0504	0.8650	0.0100	0.8957	0.0225	0.0136	5		0	
122.00	Aspartic, Post-col Ninhydrin Der (%)	0870	0.8810	0.0365	0.8957	0.0225	0.0136	5		0	
122.00	Aspartic, Post-col Ninhydrin Der (%)	0227	0.9000	0.0000	0.8957	0.0225	0.0136	5		0	
122.00	Aspartic, Post-col Ninhydrin Der (%)	0918	0.9144	0.0093	0.8957	0.0225	0.0136	5		0	
122.00	Aspartic, Post-col Ninhydrin Der (%)	0619	0.9180	0.0120	0.8957	0.0225	0.0136	5		0	
122.05	Aspartic, Pre-col AQC Der (%)	0407	0.8150	0.0020				2		0	
122.05	Aspartic, Pre-col AQC Der (%)	0242	0.8225	0.0350				2		0	
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0227	0.1400	0.0200	0.2030	0.0542	0.0184	4		0	
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0504	0.1950	0.0100	0.2030	0.0542	0.0184	4		0	
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0918	0.2052	0.0097	0.2030	0.0542	0.0184	4		0	
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0619	0.2720	0.0340	0.2030	0.0542	0.0184	4		0	
124.05	Cysteine/Cystine, PAO Pre-col AQC Der (%)	0242	0.0980	0.0420				2		0	
124.05	Cysteine/Cystine, PAO Pre-col AQC Der (%)	0407	0.5175	0.0270				2		0	
125.00	Glutamic, Post-col Ninhydrin Der (%)	0504	1.005	0.0100	1.023	0.0160	0.0208	4		0	
125.00	Glutamic, Post-col Ninhydrin Der (%)	0227	1.020	0.0200	1.023	0.0160	0.0208	4		0	
125.00	Glutamic, Post-col Ninhydrin Der (%)	0918	1.024	0.0154	1.023	0.0160	0.0208	4		0	
125.00	Glutamic, Post-col Ninhydrin Der (%)	0870	1.044	0.0376	1.023	0.0160	0.0208	4		0	
125.00	Glutamic, Post-col Ninhydrin Der (%)	0619	1.135	0.0100	1.023	0.0160	0.0208	4		2	
125.05	Glutamic, Pre-col AQC Der (%)	0242	0.9175	0.0510				2		0	
125.05	Glutamic, Pre-col AQC Der (%)	0407	0.9325	0.0110				2		0	

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126.00	Glycine, Post-col Ninhydrin Der (%)	0227	0.7900	0.0000	0.8042	0.0137	0.0086	4		0	
126.00	Glycine, Post-col Ninhydrin Der (%)	0504	0.7950	0.0100	0.8042	0.0137	0.0086	4		0	
126.00	Glycine, Post-col Ninhydrin Der (%)	0918	0.8159	0.0162	0.8042	0.0137	0.0086	4		0	
126.00	Glycine, Post-col Ninhydrin Der (%)	0619	0.8160	0.0080	0.8042	0.0137	0.0086	4		0	
126.05	Glycine, Pre-col AQC Der (%)	0407	0.6845	0.0150				2		0	
126.05	Glycine, Pre-col AQC Der (%)	0242	0.7430	0.0420				2		0	
127.00	Histidine, Post-col Ninhydrin Der (%)	0918	0.2508	0.0101	0.2609	0.0080	0.0114	4		0	
127.00	Histidine, Post-col Ninhydrin Der (%)	0504	0.2600	0.0000	0.2609	0.0080	0.0114	4		0	
127.00	Histidine, Post-col Ninhydrin Der (%)	0870	0.2627	0.0154	0.2609	0.0080	0.0114	4		0	
127.00	Histidine, Post-col Ninhydrin Der (%)	0227	0.2700	0.0200	0.2609	0.0080	0.0114	4		0	
127.00	Histidine, Post-col Ninhydrin Der (%)	0619	0.3515	0.0010	0.2609	0.0080	0.0114	4		2	
127.05	Histidine, Pre-col AQC Der (%)	0242	0.2090	0.0060				2		0	
127.05	Histidine, Pre-col AQC Der (%)	0407	0.2540	0.0100				2		0	
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0870	0.3170	0.0152	0.3701	0.0364	0.0195	5		0	
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0918	0.3512	0.0134	0.3701	0.0364	0.0195	5		0	
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0227	0.3800	0.0200	0.3701	0.0364	0.0195	5		0	
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0504	0.3950	0.0100	0.3701	0.0364	0.0195	5		0	
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0619	0.4075	0.0390	0.3701	0.0364	0.0195	5		0	
128.05	Isoleucine, Pre-col AQC Der (%)	0407	0.3120	0.0020				2		0	
128.05	Isoleucine, Pre-col AQC Der (%)	0242	0.3550	0.0220				2		0	
129.00	Leucine, Post-col Ninhydrin Der (%)	0870	0.5867	0.0164	0.6379	0.0347	0.0150	5		0	
129.00	Leucine, Post-col Ninhydrin Der (%)	0227	0.6350	0.0100	0.6379	0.0347	0.0150	5		0	
129.00	Leucine, Post-col Ninhydrin Der (%)	0918	0.6386	0.0125	0.6379	0.0347	0.0150	5		0	
129.00	Leucine, Post-col Ninhydrin Der (%)	0504	0.6450	0.0100	0.6379	0.0347	0.0150	5		0	
129.00	Leucine, Post-col Ninhydrin Der (%)	0619	0.6840	0.0260	0.6379	0.0347	0.0150	5		0	
129.05	Leucine, Pre-col AQC Der (%)	0407	0.5655	0.0030				2		0	
129.05	Leucine, Pre-col AQC Der (%)	0242	0.5865	0.0230				2		0	
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0918	0.6272	0.0245	0.6732	0.0361	0.0243	5		0	
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0870	0.6542	0.0198	0.6732	0.0361	0.0243	5		0	
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0227	0.6650	0.0700	0.6732	0.0361	0.0243	5		0	
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0619	0.7095	0.0070	0.6732	0.0361	0.0243	5		0	
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0504	0.7100	0.0000	0.6732	0.0361	0.0243	5		0	
130.05	L-Lysine, Pre-col AQC Der (%)	0407	0.5545	0.0110				2		0	
130.05	L-Lysine, Pre-col AQC Der (%)	0242	0.6640	0.0020				2		0	
130.99	L-Lysine, Miscellaneous (%)	2115	0.6595	0.0110				1		0	
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0619	0.0840	0.0040				3		0	
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0504	0.1000	0.0000				3		0	
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0918	0.1300	0.0000				3		0	
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0227	0.0900	0.0200				3		1	
131.05	Methionine, PAO Pre-col AQC Der (%)	0242	0.1060	0.0060				2		0	
131.05	Methionine, PAO Pre-col AQC Der (%)	0407	0.1085	0.0010				2		0	
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0870	0.3584	0.0014	0.3694	0.0088	0.0059	4		0	

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132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0918	0.3690	0.0020	0.3694	0.0088	0.0059	4		0	
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0227	0.3700	0.0200	0.3694	0.0088	0.0059	4		0	
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0504	0.3800	0.0000	0.3694	0.0088	0.0059	4		0	
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0619	0.5790	0.0140	0.3694	0.0088	0.0059	4		2	
132.05	Phenylalanine, Pre-col AQC Der (%)	0407	0.3205	0.0010				2		0	
132.05	Phenylalanine, Pre-col AQC Der (%)	0242	0.3270	0.0060				2		0	
133.00	Proline, Post-col Ninhydrin Der (%)	0870	0.4536	0.0143	0.5287	0.0825	0.0189	5		0	
133.00	Proline, Post-col Ninhydrin Der (%)	0918	0.4960	0.0061	0.5287	0.0825	0.0189	5		0	
133.00	Proline, Post-col Ninhydrin Der (%)	0227	0.5000	0.0200	0.5287	0.0825	0.0189	5		0	
133.00	Proline, Post-col Ninhydrin Der (%)	0504	0.5250	0.0100	0.5287	0.0825	0.0189	5		0	
133.00	Proline, Post-col Ninhydrin Der (%)	0619	0.6690	0.0440	0.5287	0.0825	0.0189	5		0	
133.05	Proline, Pre-col AQC Der (%)	0242	0.4520	0.0020				2		0	
133.05	Proline, Pre-col AQC Der (%)	0407	0.4825	0.0050				2		0	
134.00	Serine, Post-col Ninhydrin Der (%)	0504	0.4750	0.0300	0.5636	0.0529	0.0158	5		0	
134.00	Serine, Post-col Ninhydrin Der (%)	0918	0.5646	0.0150	0.5636	0.0529	0.0158	5		0	
134.00	Serine, Post-col Ninhydrin Der (%)	0227	0.5700	0.0000	0.5636	0.0529	0.0158	5		0	
134.00	Serine, Post-col Ninhydrin Der (%)	0870	0.6033	0.0201	0.5636	0.0529	0.0158	5		0	
134.00	Serine, Post-col Ninhydrin Der (%)	0619	0.6050	0.0140	0.5636	0.0529	0.0158	5		0	
134.05	Serine, Pre-col AQC Der (%)	0242	0.5105	0.0070				2		0	
134.05	Serine, Pre-col AQC Der (%)	0407	0.5260	0.0100				2		0	
135.00	Threonine, Post-col Ninhydrin Der (%)	0870	0.3489	0.0046	0.3570	0.0086	0.0050	5		0	
135.00	Threonine, Post-col Ninhydrin Der (%)	0504	0.3500	0.0000	0.3570	0.0086	0.0050	5		0	
135.00	Threonine, Post-col Ninhydrin Der (%)	0918	0.3561	0.0084	0.3570	0.0086	0.0050	5		0	
135.00	Threonine, Post-col Ninhydrin Der (%)	0619	0.3600	0.0120	0.3570	0.0086	0.0050	5		0	
135.00	Threonine, Post-col Ninhydrin Der (%)	0227	0.3700	0.0000	0.3570	0.0086	0.0050	5		0	
135.05	Threonine, Pre-col AQC Der (%)	0407	0.3050	0.0040				2		0	
135.05	Threonine, Pre-col AQC Der (%)	0242	0.3315	0.0150				2		0	
136.00	Tryptophan, Alka-Hydrol Post-col Ninhyd (%)	0918	0.1250	0.0100				3		0	
136.00	Tryptophan, Alka-Hydrol Post-col Ninhyd (%)	0619	0.1330	0.0080				3		0	
136.00	Tryptophan, Alka-Hydrol Post-col Ninhyd (%)	0227	0.1550	0.0100				3		0	
136.01	Tryptophan, Alka-Hydrol Rev Phase LC UV (%)	2114	0.1000	0.0020				1		0	
136.05	Tryptophan, Pre-col AQC Der (%)	0407	0.1490	0.0040				1		0	
136.99	Tryptophan, Miscellaneous (%)	0504	0.0550	0.0100				1		0	
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0504	0.3650	0.0100	0.3951	0.0264	0.0087	4		0	
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0870	0.3812	0.0047	0.3951	0.0264	0.0087	4		0	
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0918	0.4143	0.0001	0.3951	0.0264	0.0087	4		0	
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0227	0.4200	0.0200	0.3951	0.0264	0.0087	4		0	
137.05	Tyrosine, Pre-col AQC Der (%)	0407	0.3905	0.0050				2		0	
137.05	Tyrosine, Pre-col AQC Der (%)	0242	0.4005	0.0010				2		0	
138.00	Valine, Post-col Ninhydrin Der (%)	0870	0.3760	0.0156	0.4379	0.0374	0.0120	5		0	
138.00	Valine, Post-col Ninhydrin Der (%)	0227	0.4400	0.0000	0.4379	0.0374	0.0120	5		0	
138.00	Valine, Post-col Ninhydrin Der (%)	0918	0.4425	0.0025	0.4379	0.0374	0.0120	5		0	

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138.00	Valine, Post-col Ninhydrin Der (%)	0504	0.4550	0.0100	0.4379	0.0374	0.0120	5		0	
138.00	Valine, Post-col Ninhydrin Der (%)	0619	0.4760	0.0320	0.4379	0.0374	0.0120	5		0	
138.05	Valine, Pre-col AQC Der (%)	0407	0.3765	0.0010				2		0	
138.05	Valine, Pre-col AQC Der (%)	0242	0.4000	0.0220				2		0	
139.00	Taurine, Post-col Ninhydrin Der (%)	0504	0.2550	0.0300				1		0	
139.05	Taurine, Pre-col AQC Der (%)	0407	0.0010	0.0000				1		0	
160.99	Fructose, Miscellaneous (%)	0227	0.7800	0.0800				1		0	
160.99	Fructose, Miscellaneous (%)	0619	0.0000	0.0000				1		4	
162.99	Glucose, Miscellaneous (%)	0619	0.0000	0.0000				0		4	
163.99	Lactose, Miscellaneous (%)	0619	0.0000	0.0000				0		4	
165.99	Sucrose, Miscellaneous (%)	0619	0.5600	0.0200				2		0	
165.99	Sucrose, Miscellaneous (%)	0227	0.5700	0.0600				2		0	
166.99	Raffinose, Miscellaneous (%)	0619	0.1300	0.0020				1		0	
167.99	Stachyose, Miscellaneous (%)	0619	0.5715	0.0130				1		0	
400.01	Water Activity, Aqualab chilled mirror (Units)	0407	0.3835	0.0032				1		0	
516.00	Arsenic, Total, AA, Hydride (mg / kg (ppm))	0171	< 0.05					0		5	
516.42	Arsenic, Total, ICP, Open vessel (mg / kg (ppm))	0407	1.194	0.0525				1		0	
516.43	Arsenic, Total, ICP, Microwave (mg / kg (ppm))	2124	0.2350	0.0300				1		0	
516.53	Arsenic, Total, ICP-MS, Microwave (mg / kg (ppm))	0553	0.0260	0.0020				3		0	
516.53	Arsenic, Total, ICP-MS, Microwave (mg / kg (ppm))	0227	0.0305	0.0090				3		0	
516.53	Arsenic, Total, ICP-MS, Microwave (mg / kg (ppm))	0918	0.0314	0.0003				3		0	
518.41	Cadmium, ICP, Dry ash (mg / kg (ppm))	0407	0.0254	0.0015				2		0	
518.41	Cadmium, ICP, Dry ash (mg / kg (ppm))	0171	0.1060	0.0000				2		0	
518.43	Cadmium, ICP, Microwave (mg / kg (ppm))	2124	0.1250	0.0100				1		0	
518.53	Cadmium, ICP-MS, Microwave (mg / kg (ppm))	0918	0.1048	0.0070				3		0	
518.53	Cadmium, ICP-MS, Microwave (mg / kg (ppm))	0227	0.1165	0.0270				3		0	
518.53	Cadmium, ICP-MS, Microwave (mg / kg (ppm))	0553	0.1235	0.0050				3		0	
520.41	Chromium, ICP, Dry ash (mg / kg (ppm))	0407	1.727	0.0267				2		0	
520.41	Chromium, ICP, Dry ash (mg / kg (ppm))	0171	2.257	0.0330				2		0	
520.43	Chromium, ICP, Microwave (mg / kg (ppm))	0510	2.655	0.1700				1		0	
520.53	Chromium, ICP-MS, Microwave (mg / kg (ppm))	0918	1.754	0.3894				2		0	
520.53	Chromium, ICP-MS, Microwave (mg / kg (ppm))	0553	1.890	0.7800				2		0	
526.41	Lead, ICP, Dry ash (mg / kg (ppm))	0407	0.1030	0.0142				1		0	
526.41	Lead, ICP, Dry ash (mg / kg (ppm))	0171	< 0.05					1		5	
526.53	Lead, ICP-MS, Microwave (mg / kg (ppm))	0918	0.0688	0.0028				3		0	
526.53	Lead, ICP-MS, Microwave (mg / kg (ppm))	0553	0.0755	0.0010				3		0	
526.53	Lead, ICP-MS, Microwave (mg / kg (ppm))	0227	0.0815	0.0090				3		0	
539.41	Nickel, ICP, Dry ash (mg / kg (ppm))	0407	1.166	0.0077				2		0	
539.41	Nickel, ICP, Dry ash (mg / kg (ppm))	0171	1.391	0.0280				2		0	
539.53	Nickel, ICP-MS, Microwave (mg / kg (ppm))	0553	1.121	0.3590				2		0	
539.53	Nickel, ICP-MS, Microwave (mg / kg (ppm))	0918	1.153	0.1207				2		0	
710.99	Lauric Acid (12:0), Miscellaneous (%) (w/w)	2124	< 0.01					0		5	

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			
714.99	Myristic Acid (14:0), Miscellaneous (% (w/w))	2124	< 0.01						0		5
716.99	Palmitic Acid (16:0), Miscellaneous (% (w/w))	2124	0.1750	0.0100					1		0
718.99	Palmitoleic Acid (9c-16:1), Miscellaneous (% (w/w))	2124	< 0.01						0		5
722.99	Stearic Acid (18:0), Miscellaneous (% (w/w))	2124	0.0650	0.0100					1		0
724.99	Oleic Acid (9c-18:1), Miscellaneous (% (w/w))	2124	0.2050	0.0100					1		0
726.99	Linoleic Acid (9c,12c-18:2), Miscellaneous (% (w/w))	2124	0.5800	0.0000					1		0
728.99	alpha-Linolenic Acid (9c,12c,15c-18:3), Miscellaneous (%)	2124	0.1500	0.0000					1		0
740.99	Eicosapentaenoic Acid EPA (5c,8c,11c,14c,17c-20:5), Mis	2124	< 0.01						0		5
750.99	Docosahexaenoic Acid DHA (4c,7c,10c,13c,16c,19c-22:6)	2124	< 0.01						0		5
754.99	Total n-3 Polyunsaturated (Omega-3) Fatty Acids, Miscell:	2124	0.1500	0.0000					1		0
756.99	Total n-6 Polyunsaturated (Omega-6) Fatty Acids, Miscell:	2124	0.5800	0.0000					1		0
772.99	Total Fatty Acids, Miscellaneous (% (w/w))	2124	1.180	0.0200					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.