



AAFCO
Proficiency Testing Program



Animal Feed Scheme

Canned Dog Food

Test Material Code # 202198

Labs Reporting: 18

Analytes Reported 102

Issue Date : 09/30/2021

Analyte Proficiency Testing Report

Method Group	Analyte Group (Units)	Lab Code	Lab Data		Method Values				AAFCO PT Z Score	Your Method	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Tests			
001	Loss on Drying (%)	0010	75.40	0.0000	75.89	0.3718	0.2518	9	-1.32	001.07	0
001	Loss on Drying (%)	0028	75.57	0.2200	75.89	0.3718	0.2518	9	-0.86	001.07	0
001	Loss on Drying (%)	2264	75.64	0.0558	75.89	0.3718	0.2518	9	-0.67	001.07	0
001	Loss on Drying (%)	0511	75.75	0.0500	75.89	0.3718	0.2518	9	-0.39	001.99	0
001	Loss on Drying (%)	0035	75.88	0.0300	75.89	0.3718	0.2518	9	-0.04	001.07	0
001	Loss on Drying (%)	0042	76.07	0.0600	75.89	0.3718	0.2518	9	0.48	001.99	0
001	Loss on Drying (%)	0512	76.13	0.6300	75.89	0.3718	0.2518	9	0.63	001.08	0
001	Loss on Drying (%)	0876	76.20	0.2000	75.89	0.3718	0.2518	9	0.83	001.07	0
001	Loss on Drying (%)	0015	76.39	1.020	75.89	0.3718	0.2518	9	1.34	001.07	0
002	Protein, Crude (%)	0876	11.65	0.1000	12.20	0.3947	0.1896	16	-1.39	002.06	0
002	Protein, Crude (%)	0042	11.75	0.3000	12.20	0.3947	0.1896	16	-1.13	002.06	0
002	Protein, Crude (%)	0035	11.76	0.0800	12.20	0.3947	0.1896	16	-1.11	002.06	0
002	Protein, Crude (%)	0144	11.79	0.1700	12.20	0.3947	0.1896	16	-1.05	002.06	0
002	Protein, Crude (%)	0028	11.99	0.2700	12.20	0.3947	0.1896	16	-0.54	002.06	0
002	Protein, Crude (%)	0033	12.05	0.1000	12.20	0.3947	0.1896	16	-0.37	002.06	0
002	Protein, Crude (%)	0017	12.10	0.4000	12.20	0.3947	0.1896	16	-0.25	002.06	0
002	Protein, Crude (%)	0164	12.19	0.0000	12.20	0.3947	0.1896	16	-0.02	002.06	0
002	Protein, Crude (%)	0015	12.25	0.3300	12.20	0.3947	0.1896	16	0.12	002.06	0
002	Protein, Crude (%)	2264	12.33	0.2940	12.20	0.3947	0.1896	16	0.34	002.05	0
002	Protein, Crude (%)	0208	12.40	0.0000	12.20	0.3947	0.1896	16	0.51	002.06	0
002	Protein, Crude (%)	0511	12.43	0.0900	12.20	0.3947	0.1896	16	0.58	002.06	0
002	Protein, Crude (%)	0010	12.45	0.1000	12.20	0.3947	0.1896	16	0.64	002.06	0
002	Protein, Crude (%)	0160	12.65	0.1000	12.20	0.3947	0.1896	16	1.15	002.06	0
002	Protein, Crude (%)	0164	12.66	0.1900	12.20	0.3947	0.1896	16	1.16	002.01	0
002	Protein, Crude (%)	0512	12.74	0.5100	12.20	0.3947	0.1896	16	1.36	002.06	0
002	Protein, Crude (%)	0918	50.79	2.220	12.20	0.3947	0.1896	16	97.77	002.06	2
003	Fat, Crude (%)	0512	7.380	0.3470	7.728	0.4841	0.1694	5		003.06	0
003	Fat, Crude (%)	0144	7.400	0.1200	7.728	0.4841	0.1694	5		003.14	0
003	Fat, Crude (%)	0017	7.550	0.1000	7.728	0.4841	0.1694	5		003.00	0
003	Fat, Crude (%)	0511	7.760	0.0200	7.728	0.4841	0.1694	5		003.14	0
003	Fat, Crude (%)	0042	8.550	0.2600	7.728	0.4841	0.1694	5		003.14	0
004	Fiber, Crude (%)	0876	0.1500	0.1000	0.4185	0.2205	0.1372	5		004.07	0
004	Fiber, Crude (%)	0042	0.2750	0.0300	0.4185	0.2205	0.1372	5		004.00	0

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004	Fiber, Crude (%)	0511	0.4000	0.2000	0.4185	0.2205	0.1372	5		004.07	0
004	Fiber, Crude (%)	2264	0.5676	0.3562	0.4185	0.2205	0.1372	5		004.00	0
004	Fiber, Crude (%)	0017	0.7000	0.0000	0.4185	0.2205	0.1372	5		004.00	0
004	Fiber, Crude (%)	0164	< 0.2		0.4185	0.2205	0.1372	5		004.00	5
005	Ash (%)	0033	3.380	0.0000	3.427	0.0511	0.0771	5		005.00	0
005	Ash (%)	0042	3.385	0.1500	3.427	0.0511	0.0771	5		005.00	0
005	Ash (%)	2264	3.420	0.0354	3.427	0.0511	0.0771	5		005.05	0
005	Ash (%)	0164	3.445	0.1300	3.427	0.0511	0.0771	5		005.00	0
005	Ash (%)	0918	3.505	0.0700	3.427	0.0511	0.0771	5		005.00	0
008	Fiber, Acid Detergent (%)	0511	0.2000	0.2000	0.3763	0.1935	0.1025	4		008.08	0
008	Fiber, Acid Detergent (%)	0042	0.3000	0.1000	0.3763	0.1935	0.1025	4		008.08	0
008	Fiber, Acid Detergent (%)	0015	0.3550	0.0100	0.3763	0.1935	0.1025	4		008.08	0
008	Fiber, Acid Detergent (%)	0164	0.6500	0.1000	0.3763	0.1935	0.1025	4		008.08	0
009	Fiber, Neutral Detergent (%)	0164	2.650	0.3000				1		009.09	0
010	Moisture (%)	0164	74.79	0.9400	75.39	0.5240	0.5100	4		010.03	0
010	Moisture (%)	0164	75.10	0.4000	75.39	0.5240	0.5100	4		010.99	0
010	Moisture (%)	0160	75.80	0.4000	75.39	0.5240	0.5100	4		010.99	0
010	Moisture (%)	0033	75.85	0.3000	75.39	0.5240	0.5100	4		010.99	0
011	Loss on Drying, HT (%)	0208	75.35	0.1000				3		011.01	0
011	Loss on Drying, HT (%)	0918	76.04	0.0200				3		011.02	0
011	Loss on Drying, HT (%)	0144	76.45	0.0600				3		011.99	0
012	Starch (%)	0918	0.3980	0.0620				1		012.01	0
012	Starch (%)	0164	< 0.2					1		012.01	5
012	Starch (%)	0164	< 1					1		012.00	5
013	Fat, Acid Pretreat (%)	0035	7.450	0.1800	8.139	0.3503	0.1566	11	-1.97	013.00	0
013	Fat, Acid Pretreat (%)	0160	7.800	0.4000	8.139	0.3503	0.1566	11	-0.97	013.02	0
013	Fat, Acid Pretreat (%)	0033	7.905	0.1100	8.139	0.3503	0.1566	11	-0.67	013.10	0
013	Fat, Acid Pretreat (%)	0035	7.940	0.0600	8.139	0.3503	0.1566	11	-0.57	013.13	0
013	Fat, Acid Pretreat (%)	0876	8.050	0.1000	8.139	0.3503	0.1566	11	-0.25	013.13	0
013	Fat, Acid Pretreat (%)	0164	8.190	0.0600	8.139	0.3503	0.1566	11	0.15	013.02	0
013	Fat, Acid Pretreat (%)	0015	8.265	0.1300	8.139	0.3503	0.1566	11	0.36	013.13	0
013	Fat, Acid Pretreat (%)	2264	8.291	0.1129	8.139	0.3503	0.1566	11	0.43	013.02	0
013	Fat, Acid Pretreat (%)	0028	8.365	0.1300	8.139	0.3503	0.1566	11	0.64	013.10	0
013	Fat, Acid Pretreat (%)	0010	8.450	0.1000	8.139	0.3503	0.1566	11	0.89	013.02	0
013	Fat, Acid Pretreat (%)	0208	8.660	0.3400	8.139	0.3503	0.1566	11	1.49	013.02	0
013	Fat, Acid Pretreat (%)	0918	10.21	2.240	8.139	0.3503	0.1566	11	5.91	013.00	1
014	Fiber, Total Dietary (%)	0164	2.600	0.0000				1		014.01	0
015	Aluminum (ppm)	0164	< 10					0		015.41	5
019	Calcium (%)	0511	0.6150	0.0100	0.7108	0.0536	0.0416	12	-1.79	019.43	0
019	Calcium (%)	0512	0.6502	0.0264	0.7108	0.0536	0.0416	12	-1.13	019.43	0
019	Calcium (%)	0208	0.6750	0.1340	0.7108	0.0536	0.0416	12	-0.67	019.31	0
019	Calcium (%)	0017	0.6767	0.0415	0.7108	0.0536	0.0416	12	-0.64	019.43	0

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019	Calcium (%)	0208	0.7015	0.0190	0.7108	0.0536	0.0416	12	-0.17	019.41	0
019	Calcium (%)	0164	0.7060	0.0260	0.7108	0.0536	0.0416	12	-0.09	019.44	0
019	Calcium (%)	0033	0.7135	0.0750	0.7108	0.0536	0.0416	12	0.05	019.43	0
019	Calcium (%)	0144	0.7350	0.0300	0.7108	0.0536	0.0416	12	0.45	019.41	0
019	Calcium (%)	0035	0.7400	0.0000	0.7108	0.0536	0.0416	12	0.54	019.43	0
019	Calcium (%)	0035	0.7500	0.0200	0.7108	0.0536	0.0416	12	0.73	019.42	0
019	Calcium (%)	0042	0.7605	0.0470	0.7108	0.0536	0.0416	12	0.93	019.42	0
019	Calcium (%)	0010	0.8550	0.0700	0.7108	0.0536	0.0416	12	2.69	019.43	0
019	Calcium (%)	0572	2.525	0.0700	0.7108	0.0536	0.0416	12	33.82	019.53	2
021	Cobalt (ppm)	0164	< 0.75					0		021.31	5
022	Copper (ppm)	0017	6.590	0.3563	7.261	0.4277	0.2125	12	-1.57	022.43	0
022	Copper (ppm)	0512	6.950	0.1880	7.261	0.4277	0.2125	12	-0.73	022.43	0
022	Copper (ppm)	0035	7.000	0.0000	7.261	0.4277	0.2125	12	-0.61	022.42	0
022	Copper (ppm)	0035	7.000	0.0000	7.261	0.4277	0.2125	12	-0.61	022.43	0
022	Copper (ppm)	0511	7.000	0.0000	7.261	0.4277	0.2125	12	-0.61	022.43	0
022	Copper (ppm)	0208	7.240	0.7660	7.261	0.4277	0.2125	12	-0.05	022.41	0
022	Copper (ppm)	0033	7.300	0.1600	7.261	0.4277	0.2125	12	0.09	022.53	0
022	Copper (ppm)	0208	7.310	0.2400	7.261	0.4277	0.2125	12	0.12	022.31	0
022	Copper (ppm)	0033	7.465	0.0100	7.261	0.4277	0.2125	12	0.48	022.43	0
022	Copper (ppm)	0010	7.500	0.2000	7.261	0.4277	0.2125	12	0.56	022.33	0
022	Copper (ppm)	0164	7.850	0.1000	7.261	0.4277	0.2125	12	1.38	022.44	0
022	Copper (ppm)	0042	7.895	0.5300	7.261	0.4277	0.2125	12	1.48	022.42	0
022	Copper (ppm)	0572	30.55	1.500	7.261	0.4277	0.2125	12	54.45	022.53	2
024	Iodine (ppm)	0208	0.8320	0.0180				2		024.53	0
024	Iodine (ppm)	0160	1.035	0.1500				2		024.99	0
025	Iron (ppm)	0511	108.0	2.000	124.5	8.503	4.051	10	-1.94	025.43	0
025	Iron (ppm)	0512	113.8	9.600	124.5	8.503	4.051	10	-1.26	025.43	0
025	Iron (ppm)	0042	121.5	3.000	124.5	8.503	4.051	10	-0.35	025.42	0
025	Iron (ppm)	0033	122.5	7.000	124.5	8.503	4.051	10	-0.23	025.43	0
025	Iron (ppm)	0208	126.5	6.600	124.5	8.503	4.051	10	0.24	025.41	0
025	Iron (ppm)	0017	126.6	1.309	124.5	8.503	4.051	10	0.25	025.43	0
025	Iron (ppm)	0035	127.5	3.000	124.5	8.503	4.051	10	0.35	025.42	0
025	Iron (ppm)	0164	128.5	1.000	124.5	8.503	4.051	10	0.47	025.41	0
025	Iron (ppm)	0035	129.0	0.0000	124.5	8.503	4.051	10	0.53	025.43	0
025	Iron (ppm)	0208	140.5	7.000	124.5	8.503	4.051	10	1.88	025.31	0
027	Magnesium (%)	0010	0.0300	0.0000	0.0354	0.0055	0.0013	8	-0.97	027.33	0
027	Magnesium (%)	0035	0.0300	0.0000	0.0354	0.0055	0.0013	8	-0.97	027.43	0
027	Magnesium (%)	0208	0.0325	0.0010	0.0354	0.0055	0.0013	8	-0.52	027.41	0
027	Magnesium (%)	0033	0.0335	0.0030	0.0354	0.0055	0.0013	8	-0.34	027.43	0
027	Magnesium (%)	0164	0.0355	0.0010	0.0354	0.0055	0.0013	8	0.02	027.44	0
027	Magnesium (%)	0042	0.0380	0.0000	0.0354	0.0055	0.0013	8	0.47	027.42	0
027	Magnesium (%)	0035	0.0400	0.0000	0.0354	0.0055	0.0013	8	0.83	027.42	0

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027	Magnesium (%)	0572	0.1425	0.0050	0.0354	0.0055	0.0013	8	19.30	027.53	0
028	Manganese (ppm)	0208	15.07	0.7600				0		028.41	3
028	Manganese (ppm)	0164	16.50	1.000				0		028.44	3
028	Manganese (ppm)	0042	16.60	0.6000				0		028.42	3
028	Manganese (ppm)	0035	17.00	0.0000				0		028.42	3
028	Manganese (ppm)	0035	17.50	1.000				0		028.43	3
028	Manganese (ppm)	0033	61.80	3.800				0		028.43	3
028	Manganese (ppm)	0572	63.90	1.800				0		028.53	3
031	Phosphorus (%)	0511	0.4800	0.0200	0.5211	0.0245	0.0214	12	-1.68	031.43	0
031	Phosphorus (%)	0512	0.4849	0.0269	0.5211	0.0245	0.0214	12	-1.48	031.43	0
031	Phosphorus (%)	0208	0.5035	0.0770	0.5211	0.0245	0.0214	12	-0.72	031.01	0
031	Phosphorus (%)	0035	0.5150	0.0100	0.5211	0.0245	0.0214	12	-0.25	031.42	0
031	Phosphorus (%)	0164	0.5215	0.0210	0.5211	0.0245	0.0214	12	0.02	031.44	0
031	Phosphorus (%)	0208	0.5250	0.0060	0.5211	0.0245	0.0214	12	0.16	031.41	0
031	Phosphorus (%)	0033	0.5250	0.0200	0.5211	0.0245	0.0214	12	0.16	031.43	0
031	Phosphorus (%)	0017	0.5286	0.0228	0.5211	0.0245	0.0214	12	0.31	031.43	0
031	Phosphorus (%)	0042	0.5325	0.0230	0.5211	0.0245	0.0214	12	0.47	031.42	0
031	Phosphorus (%)	0144	0.5350	0.0100	0.5211	0.0245	0.0214	12	0.57	031.41	0
031	Phosphorus (%)	0035	0.5400	0.0000	0.5211	0.0245	0.0214	12	0.77	031.43	0
031	Phosphorus (%)	0010	0.6000	0.0200	0.5211	0.0245	0.0214	12	3.23	031.43	0
031	Phosphorus (%)	0572	2.150	0.2400	0.5211	0.0245	0.0214	12	66.60	031.53	2
032	Potassium (%)	0010	0.2350	0.0900	0.2673	0.0164	0.0173	11	-1.97	032.43	0
032	Potassium (%)	0511	0.2500	0.0000	0.2673	0.0164	0.0173	11	-1.06	032.43	0
032	Potassium (%)	0208	0.2595	0.0210	0.2673	0.0164	0.0173	11	-0.48	032.41	0
032	Potassium (%)	0144	0.2600	0.0200	0.2673	0.0164	0.0173	11	-0.45	032.41	0
032	Potassium (%)	0512	0.2618	0.0236	0.2673	0.0164	0.0173	11	-0.34	032.43	0
032	Potassium (%)	0033	0.2670	0.0100	0.2673	0.0164	0.0173	11	-0.02	032.43	0
032	Potassium (%)	0035	0.2700	0.0000	0.2673	0.0164	0.0173	11	0.16	032.43	0
032	Potassium (%)	0164	0.2755	0.0030	0.2673	0.0164	0.0173	11	0.50	032.44	0
032	Potassium (%)	0035	0.2800	0.0000	0.2673	0.0164	0.0173	11	0.77	032.42	0
032	Potassium (%)	0042	0.2820	0.0020	0.2673	0.0164	0.0173	11	0.90	032.42	0
032	Potassium (%)	0208	0.2975	0.0210	0.2673	0.0164	0.0173	11	1.84	032.31	0
032	Potassium (%)	0572	1.058	0.1650	0.2673	0.0164	0.0173	11	48.17	032.53	2
033	Salt as chloride (%)	0208	0.3185	0.0090				3		033.99	0
033	Salt as chloride (%)	0010	0.5500	0.0000				3		033.01	0
033	Salt as chloride (%)	0164	0.5500	0.0000				3		033.01	0
034	Selenium, Total (Se) (ppm)	0033	0.2005	0.0090	0.2088	0.0095	0.0225	4		034.53	0
034	Selenium, Total (Se) (ppm)	0164	0.2035	0.0250	0.2088	0.0095	0.0225	4		034.53	0
034	Selenium, Total (Se) (ppm)	0208	0.2090	0.0080	0.2088	0.0095	0.0225	4		034.52	0
034	Selenium, Total (Se) (ppm)	0010	0.2220	0.0480	0.2088	0.0095	0.0225	4		034.53	0
035	Sodium (%)	0511	0.2700	0.0000	0.3003	0.0140	0.0097	12	-2.16	035.43	0
035	Sodium (%)	0164	0.2885	0.0050	0.3003	0.0140	0.0097	12	-0.84	035.41	0

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035	Sodium (%)	0512	0.2899	0.0297	0.3003	0.0140	0.0097	12	-0.75	035.43	0
035	Sodium (%)	0033	0.2930	0.0120	0.3003	0.0140	0.0097	12	-0.52	035.43	0
035	Sodium (%)	0017	0.2940	0.0065	0.3003	0.0140	0.0097	12	-0.45	035.43	0
035	Sodium (%)	0208	0.2970	0.0040	0.3003	0.0140	0.0097	12	-0.23	035.41	0
035	Sodium (%)	0144	0.3000	0.0000	0.3003	0.0140	0.0097	12	-0.02	035.41	0
035	Sodium (%)	0042	0.3050	0.0100	0.3003	0.0140	0.0097	12	0.34	035.42	0
035	Sodium (%)	0035	0.3100	0.0000	0.3003	0.0140	0.0097	12	0.69	035.42	0
035	Sodium (%)	0035	0.3100	0.0000	0.3003	0.0140	0.0097	12	0.69	035.43	0
035	Sodium (%)	0208	0.3155	0.0390	0.3003	0.0140	0.0097	12	1.09	035.31	0
035	Sodium (%)	0010	0.3350	0.0100	0.3003	0.0140	0.0097	12	2.48	035.43	0
035	Sodium (%)	0572	1.120	0.0400	0.3003	0.0140	0.0097	12	58.57	035.53	2
036	Sulfur (%)	0164	0.1500	0.0000				3		036.42	0
036	Sulfur (%)	0010	0.1500	0.0000				3		036.43	0
036	Sulfur (%)	0033	0.1510	0.0000				3		036.43	0
036	Sulfur (%)	0042	0.1435	0.0010				3		036.42	2
037	Zinc (ppm)	0511	42.50	1.000	52.60	4.354	1.929	10	-2.32	037.41	0
037	Zinc (ppm)	0017	49.40	1.691	52.60	4.354	1.929	10	-0.73	037.43	0
037	Zinc (ppm)	0035	50.00	2.000	52.60	4.354	1.929	10	-0.60	037.43	0
037	Zinc (ppm)	0208	51.13	7.300	52.60	4.354	1.929	10	-0.34	037.41	0
037	Zinc (ppm)	0164	52.00	2.000	52.60	4.354	1.929	10	-0.14	037.44	0
037	Zinc (ppm)	0033	52.65	1.700	52.60	4.354	1.929	10	0.01	037.43	0
037	Zinc (ppm)	0208	53.35	3.300	52.60	4.354	1.929	10	0.17	037.31	0
037	Zinc (ppm)	0035	55.00	0.0000	52.60	4.354	1.929	10	0.55	037.42	0
037	Zinc (ppm)	0042	57.25	0.3000	52.60	4.354	1.929	10	1.07	037.42	0
037	Zinc (ppm)	0010	60.00	0.0000	52.60	4.354	1.929	10	1.70	037.33	0
037	Zinc (ppm)	0512	43.90	26.95	52.60	4.354	1.929	10	-2.00	037.43	1
037	Zinc (ppm)	0572	224.0	0.0000	52.60	4.354	1.929	10	39.37	037.53	2
038	Molybdenum (ppm)	0164	0.1985	0.0290				1		038.53	0
101	Choline Chloride (ppm)	0227	2,065	110.0				1		101.99	0
102	Niacin (ppm)	0010	32.60	8.600	37.05	3.269	5.250	4		102.02	0
102	Niacin (ppm)	0160	37.30	9.000	37.05	3.269	5.250	4		102.99	0
102	Niacin (ppm)	0227	37.85	1.700	37.05	3.269	5.250	4		102.01	0
102	Niacin (ppm)	0208	40.45	1.700	37.05	3.269	5.250	4		102.01	0
103	Pantothenic Acid (ppm)	0227	7.845	0.1900				3		103.01	0
103	Pantothenic Acid (ppm)	0010	8.800	2.000				3		103.02	0
103	Pantothenic Acid (ppm)	0160	25.85	3.300				3		103.99	0
104	Riboflavin (ppm)	0208	1.840	0.0200	2.220	0.2739	0.1450	4		104.03	0
104	Riboflavin (ppm)	0010	2.200	0.2000	2.220	0.2739	0.1450	4		104.03	0
104	Riboflavin (ppm)	0227	2.410	0.2800	2.220	0.2739	0.1450	4		104.00	0
104	Riboflavin (ppm)	0160	2.430	0.0800	2.220	0.2739	0.1450	4		104.99	0
105	Thiamine (ppm)	0208	1.415	0.0940	1.874	0.5089	0.0735	4		105.00	0
105	Thiamine (ppm)	0010	1.700	0.2000	1.874	0.5089	0.0735	4		105.00	0

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			Value	Range	Rob Mean	Robust SD	R-bar	# Tests			
105	Thiamine (ppm)	0227	1.780	0.0000	1.874	0.5089	0.0735	4	105.01	0	
105	Thiamine (ppm)	0160	2.600	0.0000	1.874	0.5089	0.0735	4	105.01	0	
106	Vitamin A (KU / kg)	0227	5.285	0.3500				3	106.00	0	
106	Vitamin A (KU / kg)	0010	7.365	0.0500				3	106.02	0	
106	Vitamin A (KU / kg)	0160	7.885	1.050				3	106.99	0	
107	Vitamin B12 (ppb)	0227	32.25	1.100				1	107.00	0	
108	Vitamin D3 (KU / kg)	0160	0.2130	0.0140				2	108.99	0	
108	Vitamin D3 (KU / kg)	0227	0.2490	0.0060				2	108.02	0	
109	Vitamin E (IU / kg)	0227	10.05	0.1100				1	109.02	0	
111	Vitamin C, Phosphorylated (ppm)	0227	< 4.4					0	111.00	5	
112	Pyridoxine (µg / g)	0227	0.9700	0.0200				1	112.01	0	
113	Folic Acid (ppm)	0227	0.1825	0.0270				2	113.01	0	
113	Folic Acid (ppm)	0208	0.2485	0.0510				2	113.01	0	
114	Biotin (ppm)	0227	0.0969	0.0061				1	114.01	0	
120	Alanine (%)	0227	0.7850	0.0100				2	120.99	0	
120	Alanine (%)	0208	0.8200	0.0200				2	120.00	0	
121	Arginine (%)	0227	0.7500	0.0000				3	121.99	0	
121	Arginine (%)	0160	0.7550	0.0300				3	121.99	0	
121	Arginine (%)	0208	0.7900	0.0400				3	121.00	0	
122	Aspartic (%)	0227	1.020	0.0000				2	122.99	0	
122	Aspartic (%)	0208	1.095	0.0700				2	122.00	0	
124	Cysteine/Cystine (%)	0227	0.0900	0.0000				1	124.99	0	
125	Glutamic (%)	0227	1.610	0.0000				2	125.99	0	
125	Glutamic (%)	0208	1.740	0.1400				2	125.00	0	
126	Glycine (%)	0208	0.9300	0.0200				2	126.00	0	
126	Glycine (%)	0227	0.9400	0.0000				2	126.99	0	
127	Histidine (%)	0227	0.3100	0.0000				3	127.99	0	
127	Histidine (%)	0160	0.3150	0.0100				3	127.99	0	
127	Histidine (%)	0208	0.3200	0.0200				3	127.00	0	
128	Isoleucine (%)	0160	0.4500	0.0200				3	128.99	0	
128	Isoleucine (%)	0227	0.4800	0.0000				3	128.99	0	
128	Isoleucine (%)	0208	0.4900	0.0400				3	128.00	0	
129	Leucine (%)	0160	0.8500	0.0800				3	129.99	0	
129	Leucine (%)	0227	0.9000	0.0000				3	129.99	0	
129	Leucine (%)	0208	0.9250	0.0700				3	129.00	0	
130	L-Lysine (%)	0227	0.8600	0.0000				2	130.99	0	
130	L-Lysine (%)	0208	0.8800	0.0600				2	130.00	0	
131	Methionine (%)	0160	0.2350	0.0300				3	131.00	0	
131	Methionine (%)	0208	0.2600	0.0200				3	131.00	0	
131	Methionine (%)	0227	0.2650	0.0100				3	131.99	0	
132	Phenylalanine (%)	0227	0.4850	0.0100				3	132.99	0	
132	Phenylalanine (%)	0160	0.4900	0.0000				3	132.99	0	

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132	Phenylalanine (%)	0208	0.5600	0.0600				3	132.00	0	
133	Proline (%)	0208	0.6650	0.0300				2	133.00	0	
133	Proline (%)	0227	0.6750	0.0100				2	133.99	0	
134	Serine (%)	0227	0.4800	0.0000				2	134.99	0	
134	Serine (%)	0208	0.4900	0.0400				2	134.00	0	
135	Threonine (%)	0160	0.3550	0.0100				3	135.99	0	
135	Threonine (%)	0227	0.4800	0.0000				3	135.99	0	
135	Threonine (%)	0208	0.5150	0.0300				3	135.00	0	
136	Tryptophan (%)	0160	0.0950	0.0100				3	136.99	0	
136	Tryptophan (%)	0208	0.1050	0.0060				3	136.01	0	
136	Tryptophan (%)	0227	0.1400	0.0000				3	136.99	0	
137	Tyrosine (%)	0227	0.3600	0.0000				2	137.99	0	
137	Tyrosine (%)	0208	0.4550	0.0300				2	137.00	0	
138	Valine (%)	0160	0.5700	0.0200				3	138.99	0	
138	Valine (%)	0208	0.6200	0.0400				3	138.00	0	
138	Valine (%)	0227	0.6200	0.0000				3	138.99	0	
139	Taurine (%)	0227	0.0400	0.0000				1	139.99	0	
160	Fructose (%)	0227	< 0.15					0	160.99	5	
162	Glucose (%)	0227	< 0.15					0	162.99	5	
163	Lactose (%)	0227	< 0.15					0	163.99	5	
164	Maltose (%)	0227	< 0.15					0	164.99	5	
165	Sucrose (%)	0227	< 0.15					0	165.99	5	
166	Raffinose (%)	0227	< 0.05					0	166.99	5	
167	Stachyose (%)	0227	< 0.05					0	167.99	5	
516	Arsenic, Total (As) (ppm)	0227	0.0195	0.0090				1	516.53	0	
518	Cadmium (ppm)	0227	0.0110	0.0000				1	518.53	0	
520	Chromium, Total (Cr) (ppm)	0164	0.1820	0.0200				1	520.53	0	
526	Lead (ppm)	0227	0.0215	0.0010				1	526.53	0	
529	Mercury (ppb)	0227	< 10					0	529.99	5	
702	Butyric Acid (4:0) (%)	0164	< 0.02					0	702.00	5	
704	Caproic Acid (6:0) (%)	0164	< 0.02					0	704.00	5	
706	Caprylic acid (8:0) (%) (w/w)	0164	< 0.02					0	706.99	5	
708	Capric acid (10:0) (%) (w/w)	0164	< 0.02					0	708.99	5	
710	Lauric Acid (12:0) (%) (w/w)	0164	< 0.02					0	710.99	5	
714	Myristic Acid (14:0) (%) (w/w)	0164	0.0690	0.0220				1	714.99	0	
716	Palmitic Acid (16:0) (%) (w/w)	0164	1.655	0.0300				1	716.99	0	
718	Palmitoleic Acid (9c-16:1) (%) (w/w)	0164	0.2800	0.0000				1	718.99	0	
720	Margaric acid (17:0) (%) (w/w)	0164	0.0300	0.0000				1	720.99	0	
722	Stearic Acid (18:0) (%) (w/w)	0164	0.6500	0.0000				1	722.99	0	
724	Oleic Acid (9c-18:1) (%) (w/w)	0164	2.285	0.0300				1	724.99	0	
726	Linoleic Acid (9c,12c-18:2) (%) (w/w)	0164	1.305	0.0100				1	726.99	0	
728	alpha-Linolenic Acid (9c,12c,15c-18:3) (%) (w/w)	0164	0.1000	0.0000				1	728.99	0	

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730	Arachidic Acid (20:0) (% (w/w))	0164	< 0.02						0	730.99	5
732	Gondoic Acid (11c-20:1) (% (w/w))	0164	0.0200	0.0000					1	732.99	0
736	Arachidonic Acid (5c,8c,11c,14c-20:4) (% (w/w))	0164	0.0800	0.0000					1	736.99	0
740	Eicosapentaenoic Acid EPA (5c,8c,11c,14c,17c) (% (w/w))	0164	0.0200	0.0000					1	740.99	0
742	Behenic Acid (22:0) (% (w/w))	0164	< 0.02						0	742.99	5
744	Erucic Acid (13c-22:1) (% (w/w))	0164	< 0.02						0	744.99	5
746	Docosapentaenoic Acid n-3 DPA (7c,10c,13c,16c,19c) (% (w/w))	0164	< 0.02						0	746.99	5
748	Lignoceric Acid (24:0) (% (w/w))	0164	< 0.02						0	748.99	5
750	Docosahexaenoic Acid DHA (4c,7c,10c,13c,16c,19c,22c) (% (w/w))	0164	0.0200	0.0000					1	750.99	0
752	Nervonic Acid (24:1) isomers (% (w/w))	0164	< 0.02						0	752.99	5
754	Total n-3 Polyunsaturated (Omega-3) Fatty Acids (% (w/w))	0164	0.1700	0.0000					1	754.99	0
756	Total n-6 Polyunsaturated (Omega-6) Fatty Acids (% (w/w))	0164	1.455	0.0100					1	756.99	0
758	Total Saturated Fatty Acids (% (w/w))	0164	2.470	0.0400					1	758.99	0
764	Total cis Monounsaturated Fatty Acids (% (w/w))	0164	2.805	0.0300					1	764.99	0
768	Total cis Polyunsaturated Fatty Acids (% (w/w))	0164	1.665	0.0300					1	768.99	0
770	Total Fat (equivalent to NLEA) (% (w/w))	0164	7.390	0.0400					1	770.99	0
772	Total Fatty Acids (% (w/w))	0164	7.390	0.0400					1	772.99	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.