



Analyte Proficiency Testing Report Pet Food Program

Sample # 201544
Barley

Labs Reporting: 57
Issue Date : 01/31/2016

Method Group	Analyte Group (Units)	Lab Code	Lab Data		Method Values				AAFCO CS	Your Method	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score		
001	Loss on Drying (%)	0027	11.225	0.05000	11.690	0.37182	0.09882	11	-1.25	001.00	0
001	Loss on Drying (%)	0510	11.350	0.10000	11.690	0.37182	0.09882	11	-0.91	001.99	0
001	Loss on Drying (%)	0034	11.385	0.01000	11.690	0.37182	0.09882	11	-0.82	001.00	0
001	Loss on Drying (%)	0309	11.477	0.00450	11.690	0.37182	0.09882	11	-0.57	001.00	0
001	Loss on Drying (%)	0065	11.589	0.02250	11.690	0.37182	0.09882	11	-0.27	001.07	0
001	Loss on Drying (%)	0512	11.595	0.29000	11.690	0.37182	0.09882	11	-0.25	001.07	0
001	Loss on Drying (%)	0171	11.715	0.05000	11.690	0.37182	0.09882	11	0.07	001.07	0
001	Loss on Drying (%)	0098	11.930	0.04000	11.690	0.37182	0.09882	11	0.65	001.07	0
001	Loss on Drying (%)	0074	12.040	0.32000	11.690	0.37182	0.09882	11	0.94	001.07	0
001	Loss on Drying (%)	0876	12.200	0.00000	11.690	0.37182	0.09882	11	1.37	001.99	0
001	Loss on Drying (%)	0555	15.100	0.20000	11.690	0.37182	0.09882	11	9.17	001.99	0
001	Loss on Drying (%)	0003	10.575	2.1300	11.690	0.37182	0.09882	11	-3.00	001.07	1
002	Protein (%)	2050	9.5200	0.00000	10.562	0.32557	0.12728	56	-3.20	002.11	0
002	Protein (%)	0042	9.6150	0.17000	10.562	0.32557	0.12728	56	-2.91	002.02	0
002	Protein (%)	0033	9.6800	0.50000	10.562	0.32557	0.12728	56	-2.71	002.06	0
002	Protein (%)	0970	9.7500	0.50000	10.562	0.32557	0.12728	56	-2.50	002.99	0
002	Protein (%)	2094	9.8200	0.02000	10.562	0.32557	0.12728	56	-2.28	002.06	0
002	Protein (%)	0042	9.8700	0.06000	10.562	0.32557	0.12728	56	-2.13	002.06	0
002	Protein (%)	0027	10.160	0.40000	10.562	0.32557	0.12728	56	-1.24	002.06	0
002	Protein (%)	0003	10.185	0.37000	10.562	0.32557	0.12728	56	-1.16	002.06	0
002	Protein (%)	0202	10.245	0.03000	10.562	0.32557	0.12728	56	-0.97	002.06	0
002	Protein (%)	0051	10.250	0.10000	10.562	0.32557	0.12728	56	-0.96	002.06	0
002	Protein (%)	0014	10.300	0.00000	10.562	0.32557	0.12728	56	-0.81	002.06	0
002	Protein (%)	0959	10.315	0.21000	10.562	0.32557	0.12728	56	-0.76	002.06	0
002	Protein (%)	0065	10.320	0.01560	10.562	0.32557	0.12728	56	-0.74	002.06	0
002	Protein (%)	0957	10.325	0.03000	10.562	0.32557	0.12728	56	-0.73	002.06	0
002	Protein (%)	0870	10.340	0.16000	10.562	0.32557	0.12728	56	-0.68	002.01	0
002	Protein (%)	0964	10.360	0.05600	10.562	0.32557	0.12728	56	-0.62	002.06	0
002	Protein (%)	2004	10.400	0.00000	10.562	0.32557	0.12728	56	-0.50	002.99	0
002	Protein (%)	0017	10.435	0.09000	10.562	0.32557	0.12728	56	-0.39	002.06	0
002	Protein (%)	0960	10.435	0.11000	10.562	0.32557	0.12728	56	-0.39	002.06	0

Method Group	Analyte Group (Units)	Lab Code	Lab Data		Method Values				AAFCO CS Z Score	Your Method	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
002	Protein (%)	0407	10.444	0.00100	10.562	0.32557	0.12728	56	-0.36	002.06	0
002	Protein (%)	0047	10.450	0.10000	10.562	0.32557	0.12728	56	-0.35	002.06	0
002	Protein (%)	0208	10.450	0.10000	10.562	0.32557	0.12728	56	-0.35	002.08	0
002	Protein (%)	0164	10.470	0.06000	10.562	0.32557	0.12728	56	-0.28	002.06	0
002	Protein (%)	0164	10.495	0.05000	10.562	0.32557	0.12728	56	-0.21	002.01	0
002	Protein (%)	0512	10.495	0.01000	10.562	0.32557	0.12728	56	-0.21	002.06	0
002	Protein (%)	0553	10.495	0.47000	10.562	0.32557	0.12728	56	-0.21	002.06	0
002	Protein (%)	0208	10.535	0.17000	10.562	0.32557	0.12728	56	-0.08	002.06	0
002	Protein (%)	0171	10.550	0.06000	10.562	0.32557	0.12728	56	-0.04	002.06	0
002	Protein (%)	0309	10.570	0.05600	10.562	0.32557	0.12728	56	0.02	002.06	0
002	Protein (%)	0969	10.600	0.20000	10.562	0.32557	0.12728	56	0.12	002.99	0
002	Protein (%)	0074	10.630	0.02000	10.562	0.32557	0.12728	56	0.21	002.06	0
002	Protein (%)	2089	10.635	0.01000	10.562	0.32557	0.12728	56	0.22	002.06	0
002	Protein (%)	0417	10.645	0.07000	10.562	0.32557	0.12728	56	0.25	002.06	0
002	Protein (%)	0510	10.650	0.10000	10.562	0.32557	0.12728	56	0.27	002.06	0
002	Protein (%)	0842	10.670	0.04000	10.562	0.32557	0.12728	56	0.33	002.06	0
002	Protein (%)	0840	10.680	0.02000	10.562	0.32557	0.12728	56	0.36	002.06	0
002	Protein (%)	1005	10.685	0.03000	10.562	0.32557	0.12728	56	0.38	002.06	0
002	Protein (%)	0160	10.700	0.60000	10.562	0.32557	0.12728	56	0.42	002.06	0
002	Protein (%)	0810	10.725	0.23000	10.562	0.32557	0.12728	56	0.50	002.06	0
002	Protein (%)	0794	10.730	0.26000	10.562	0.32557	0.12728	56	0.52	002.06	0
002	Protein (%)	0841	10.745	0.01000	10.562	0.32557	0.12728	56	0.56	002.06	0
002	Protein (%)	2036	10.750	0.04000	10.562	0.32557	0.12728	56	0.58	002.11	0
002	Protein (%)	0811	10.760	0.02000	10.562	0.32557	0.12728	56	0.61	002.06	0
002	Protein (%)	0958	10.790	0.02000	10.562	0.32557	0.12728	56	0.70	002.06	0
002	Protein (%)	0098	10.850	0.10000	10.562	0.32557	0.12728	56	0.88	002.06	0
002	Protein (%)	0001	10.860	0.32000	10.562	0.32557	0.12728	56	0.91	002.06	0
002	Protein (%)	0789	10.865	0.19000	10.562	0.32557	0.12728	56	0.93	002.06	0
002	Protein (%)	1010	10.890	0.08000	10.562	0.32557	0.12728	56	1.01	002.06	0
002	Protein (%)	0511	10.955	0.11000	10.562	0.32557	0.12728	56	1.21	002.06	0
002	Protein (%)	0034	10.969	0.16900	10.562	0.32557	0.12728	56	1.25	002.06	0
002	Protein (%)	2050	10.990	0.00000	10.562	0.32557	0.12728	56	1.31	002.06	0
002	Protein (%)	0790	11.190	0.08000	10.562	0.32557	0.12728	56	1.93	002.06	0
002	Protein (%)	0808	11.445	0.05000	10.562	0.32557	0.12728	56	2.71	002.06	0
002	Protein (%)	0650	12.170	0.38000	10.562	0.32557	0.12728	56	4.94	002.06	0
002	Protein (%)	0876	12.215	0.03000	10.562	0.32557	0.12728	56	5.08	002.06	0
002	Protein (%)	0553	12.355	0.05000	10.562	0.32557	0.12728	56	5.51	002.11	0
002	Protein (%)	0961	11.055	1.3300	10.562	0.32557	0.12728	56	1.51	002.06	1
003	Fat (%)	0051	0.90000	0.20000	1.3973	0.17372	0.13610	28	-2.86	003.10	0
003	Fat (%)	0870	1.1829	0.03670	1.3973	0.17372	0.13610	28	-1.23	003.10	0
003	Fat (%)	0553	1.1900	0.02000	1.3973	0.17372	0.13610	28	-1.19	003.11	0
003	Fat (%)	0553	1.2300	0.02000	1.3973	0.17372	0.13610	28	-0.96	003.10	0

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003	Fat (%)	0098	1.2400	0.08000	1.3973	0.17372	0.13610	28	-0.91	003.10	0
003	Fat (%)	0202	1.2450	0.01000	1.3973	0.17372	0.13610	28	-0.88	003.14	0
003	Fat (%)	2089	1.2800	0.24000	1.3973	0.17372	0.13610	28	-0.68	003.13	0
003	Fat (%)	0407	1.2930	0.20010	1.3973	0.17372	0.13610	28	-0.60	003.14	0
003	Fat (%)	0027	1.3000	0.04000	1.3973	0.17372	0.13610	28	-0.56	003.09	0
003	Fat (%)	0171	1.3050	0.01000	1.3973	0.17372	0.13610	28	-0.53	003.12	0
003	Fat (%)	0508	1.3245	0.06780	1.3973	0.17372	0.13610	28	-0.42	003.09	0
003	Fat (%)	0098	1.3350	0.23000	1.3973	0.17372	0.13610	28	-0.36	003.09	0
003	Fat (%)	0098	1.3350	0.35000	1.3973	0.17372	0.13610	28	-0.36	003.13	0
003	Fat (%)	0510	1.3500	0.10000	1.3973	0.17372	0.13610	28	-0.27	003.09	0
003	Fat (%)	0033	1.3700	0.02000	1.3973	0.17372	0.13610	28	-0.16	003.13	0
003	Fat (%)	0512	1.4085	0.07900	1.3973	0.17372	0.13610	28	0.06	003.09	0
003	Fat (%)	0164	1.4450	0.33000	1.3973	0.17372	0.13610	28	0.27	003.06	0
003	Fat (%)	0017	1.4500	0.10000	1.3973	0.17372	0.13610	28	0.30	003.00	0
003	Fat (%)	0964	1.4790	0.04200	1.3973	0.17372	0.13610	28	0.47	003.09	0
003	Fat (%)	0065	1.4919	0.00380	1.3973	0.17372	0.13610	28	0.54	003.00	0
003	Fat (%)	0047	1.5000	0.00000	1.3973	0.17372	0.13610	28	0.59	003.99	0
003	Fat (%)	0511	1.5250	0.05000	1.3973	0.17372	0.13610	28	0.73	003.06	0
003	Fat (%)	2050	1.5800	0.00000	1.3973	0.17372	0.13610	28	1.05	003.11	0
003	Fat (%)	0309	1.6958	0.34140	1.3973	0.17372	0.13610	28	1.72	003.00	0
003	Fat (%)	0074	1.8400	0.06000	1.3973	0.17372	0.13610	28	2.55	003.06	0
003	Fat (%)	2036	2.2100	0.10000	1.3973	0.17372	0.13610	28	4.68	003.11	0
003	Fat (%)	0876	2.5300	0.88000	1.3973	0.17372	0.13610	28	6.52	003.99	0
003	Fat (%)	0034	3.6500	0.20000	1.3973	0.17372	0.13610	28	12.97	003.14	0
003	Fat (%)	0003	0.97500	1.2500	1.3973	0.17372	0.13610	28	-2.43	003.14	1
004	Fiber (%)	0510	0.35000	0.10000	1.0103	0.25484	0.14493	26	-2.59	004.07	0
004	Fiber (%)	2089	0.43000	0.00000	1.0103	0.25484	0.14493	26	-2.28	004.03	0
004	Fiber (%)	0074	0.69500	0.05000	1.0103	0.25484	0.14493	26	-1.24	004.07	0
004	Fiber (%)	0098	0.72000	0.28000	1.0103	0.25484	0.14493	26	-1.14	004.07	0
004	Fiber (%)	0969	0.74750	0.05100	1.0103	0.25484	0.14493	26	-1.03	004.00	0
004	Fiber (%)	0876	0.85000	0.30000	1.0103	0.25484	0.14493	26	-0.63	004.07	0
004	Fiber (%)	0164	0.85000	0.10000	1.0103	0.25484	0.14493	26	-0.63	004.00	0
004	Fiber (%)	2004	0.88100	0.04200	1.0103	0.25484	0.14493	26	-0.51	004.00	0
004	Fiber (%)	0964	0.90000	0.30000	1.0103	0.25484	0.14493	26	-0.43	004.06	0
004	Fiber (%)	0309	0.93655	0.10590	1.0103	0.25484	0.14493	26	-0.29	004.00	0
004	Fiber (%)	0202	0.94500	0.09000	1.0103	0.25484	0.14493	26	-0.26	004.07	0
004	Fiber (%)	0033	0.95500	0.07000	1.0103	0.25484	0.14493	26	-0.22	004.07	0
004	Fiber (%)	2094	0.98000	0.38000	1.0103	0.25484	0.14493	26	-0.12	004.00	0
004	Fiber (%)	0511	1.0000	0.20000	1.0103	0.25484	0.14493	26	-0.04	004.00	0
004	Fiber (%)	0512	1.0318	0.09450	1.0103	0.25484	0.14493	26	0.08	004.06	0
004	Fiber (%)	0870	1.1041	0.08500	1.0103	0.25484	0.14493	26	0.37	004.07	0
004	Fiber (%)	0003	1.1100	0.42000	1.0103	0.25484	0.14493	26	0.39	004.07	0

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			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
004	Fiber (%)	0407	1.1337	0.00090	1.0103	0.25484	0.14493	26	0.48	004.07	0
004	Fiber (%)	0034	1.1750	0.25000	1.0103	0.25484	0.14493	26	0.65	004.07	0
004	Fiber (%)	0171	1.1850	0.03000	1.0103	0.25484	0.14493	26	0.69	004.00	0
004	Fiber (%)	0098	1.2000	0.18000	1.0103	0.25484	0.14493	26	0.74	004.06	0
004	Fiber (%)	0208	1.2650	0.35000	1.0103	0.25484	0.14493	26	1.00	004.00	0
004	Fiber (%)	0027	1.2805	0.04900	1.0103	0.25484	0.14493	26	1.06	004.06	0
004	Fiber (%)	2050	1.3900	0.00000	1.0103	0.25484	0.14493	26	1.49	004.11	0
004	Fiber (%)	2036	2.0450	0.07000	1.0103	0.25484	0.14493	26	4.06	004.11	0
004	Fiber (%)	0553	3.0850	0.17000	1.0103	0.25484	0.14493	26	8.14	004.11	0
005	Ash (%)	0876	0.97500	0.07000	1.2469	0.06623	0.05230	42	-4.11	005.00	0
005	Ash (%)	2036	1.0800	0.12000	1.2469	0.06623	0.05230	42	-2.52	005.11	0
005	Ash (%)	0047	1.1000	0.40000	1.2469	0.06623	0.05230	42	-2.22	005.00	0
005	Ash (%)	0841	1.1400	0.04000	1.2469	0.06623	0.05230	42	-1.61	005.00	0
005	Ash (%)	0808	1.1600	0.02000	1.2469	0.06623	0.05230	42	-1.31	005.00	0
005	Ash (%)	2050	1.1700	0.00000	1.2469	0.06623	0.05230	42	-1.16	005.05	0
005	Ash (%)	1010	1.1750	0.01000	1.2469	0.06623	0.05230	42	-1.09	005.00	0
005	Ash (%)	0171	1.1900	0.02000	1.2469	0.06623	0.05230	42	-0.86	005.00	0
005	Ash (%)	0810	1.1900	0.02000	1.2469	0.06623	0.05230	42	-0.86	005.00	0
005	Ash (%)	2050	1.1900	0.00000	1.2469	0.06623	0.05230	42	-0.86	005.11	0
005	Ash (%)	0017	1.2000	0.00000	1.2469	0.06623	0.05230	42	-0.71	005.00	0
005	Ash (%)	0051	1.2000	0.00000	1.2469	0.06623	0.05230	42	-0.71	005.00	0
005	Ash (%)	0842	1.2000	0.06000	1.2469	0.06623	0.05230	42	-0.71	005.00	0
005	Ash (%)	0960	1.2000	0.04000	1.2469	0.06623	0.05230	42	-0.71	005.00	0
005	Ash (%)	2004	1.2100	0.34000	1.2469	0.06623	0.05230	42	-0.56	005.99	0
005	Ash (%)	0510	1.2350	0.01000	1.2469	0.06623	0.05230	42	-0.18	005.00	0
005	Ash (%)	0957	1.2350	0.09000	1.2469	0.06623	0.05230	42	-0.18	005.00	0
005	Ash (%)	0042	1.2400	0.12000	1.2469	0.06623	0.05230	42	-0.10	005.00	0
005	Ash (%)	0309	1.2468	0.08490	1.2469	0.06623	0.05230	42	0.00	005.00	0
005	Ash (%)	0098	1.2550	0.03000	1.2469	0.06623	0.05230	42	0.12	005.00	0
005	Ash (%)	0958	1.2550	0.01000	1.2469	0.06623	0.05230	42	0.12	005.00	0
005	Ash (%)	0959	1.2550	0.01000	1.2469	0.06623	0.05230	42	0.12	005.00	0
005	Ash (%)	0027	1.2570	0.01000	1.2469	0.06623	0.05230	42	0.15	005.00	0
005	Ash (%)	0870	1.2623	0.03550	1.2469	0.06623	0.05230	42	0.23	005.00	0
005	Ash (%)	0208	1.2650	0.07000	1.2469	0.06623	0.05230	42	0.27	005.00	0
005	Ash (%)	0969	1.2700	0.00000	1.2469	0.06623	0.05230	42	0.35	005.99	0
005	Ash (%)	0512	1.2715	0.02100	1.2469	0.06623	0.05230	42	0.37	005.00	0
005	Ash (%)	0511	1.2750	0.01000	1.2469	0.06623	0.05230	42	0.42	005.00	0
005	Ash (%)	0840	1.2750	0.03000	1.2469	0.06623	0.05230	42	0.42	005.00	0
005	Ash (%)	0164	1.2800	0.06000	1.2469	0.06623	0.05230	42	0.50	005.00	0
005	Ash (%)	0964	1.2915	0.03700	1.2469	0.06623	0.05230	42	0.67	005.00	0
005	Ash (%)	0650	1.2950	0.07000	1.2469	0.06623	0.05230	42	0.73	005.00	0
005	Ash (%)	2094	1.2950	0.03000	1.2469	0.06623	0.05230	42	0.73	005.99	0

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005	Ash (%)	0001	1.2976	0.00500	1.2469	0.06623	0.05230	42	0.77	005.00	0
005	Ash (%)	2089	1.3000	0.10000	1.2469	0.06623	0.05230	42	0.80	005.00	0
005	Ash (%)	0970	1.3000	0.00000	1.2469	0.06623	0.05230	42	0.80	005.99	0
005	Ash (%)	0202	1.3150	0.03000	1.2469	0.06623	0.05230	42	1.03	005.99	0
005	Ash (%)	0065	1.3157	0.02130	1.2469	0.06623	0.05230	42	1.04	005.00	0
005	Ash (%)	0003	1.3400	0.00000	1.2469	0.06623	0.05230	42	1.41	005.05	0
005	Ash (%)	0407	1.3977	0.00210	1.2469	0.06623	0.05230	42	2.28	005.00	0
005	Ash (%)	0811	1.4500	0.10000	1.2469	0.06623	0.05230	42	3.07	005.00	0
005	Ash (%)	0417	1.4650	0.07000	1.2469	0.06623	0.05230	42	3.29	005.00	0
005	Ash (%)	0553	1.5900	0.60000	1.2469	0.06623	0.05230	42	5.18	005.00	1
005	Ash (%)	0961	1.8600	0.84000	1.2469	0.06623	0.05230	42	9.26	005.00	1
006	Total sugars (%)	0969	0.70000	0.00000	1.1938	0.56632	0.10250	4	-0.87	006.99	0
006	Total sugars (%)	0970	0.71000	0.04000	1.1938	0.56632	0.10250	4	-0.85	006.99	0
006	Total sugars (%)	2004	1.6250	0.11000	1.1938	0.56632	0.10250	4	0.76	006.99	0
006	Total sugars (%)	0407	1.7400	0.26000	1.1938	0.56632	0.10250	4	0.96	006.01	0
008	Fiber (%)	0309	1.1871	0.27700	1.6731	0.47172	0.17335	8	-1.03	008.02	0
008	Fiber (%)	0098	1.2550	0.17000	1.6731	0.47172	0.17335	8	-0.89	008.02	0
008	Fiber (%)	0164	1.4000	0.00000	1.6731	0.47172	0.17335	8	-0.58	008.08	0
008	Fiber (%)	0001	1.4900	0.08000	1.6731	0.47172	0.17335	8	-0.39	008.08	0
008	Fiber (%)	0407	1.6719	0.23070	1.6731	0.47172	0.17335	8	0.00	008.08	0
008	Fiber (%)	0208	1.9200	0.40000	1.6731	0.47172	0.17335	8	0.52	008.02	0
008	Fiber (%)	0870	2.1612	0.11910	1.6731	0.47172	0.17335	8	1.03	008.08	0
008	Fiber (%)	0964	2.3000	0.11000	1.6731	0.47172	0.17335	8	1.33	008.02	0
008	Fiber (%)	2004	0.00000	0.00000	1.6731	0.47172	0.17335	8	-3.55	008.08	4
009	Fiber (%)	0870	5.7587	0.42000	8.5230	2.8436	0.61609	8	-0.97	009.09	0
009	Fiber (%)	2004	5.8650	0.47000	8.5230	2.8436	0.61609	8	-0.93	009.09	0
009	Fiber (%)	0001	6.8850	1.0100	8.5230	2.8436	0.61609	8	-0.58	009.09	0
009	Fiber (%)	0164	7.4000	0.20000	8.5230	2.8436	0.61609	8	-0.39	009.09	0
009	Fiber (%)	0098	8.8550	0.17000	8.5230	2.8436	0.61609	8	0.12	009.07	0
009	Fiber (%)	0309	9.3685	0.65650	8.5230	2.8436	0.61609	8	0.30	009.07	0
009	Fiber (%)	0208	12.300	0.20000	8.5230	2.8436	0.61609	8	1.33	009.07	0
009	Fiber (%)	0407	20.535	1.8022	8.5230	2.8436	0.61609	8	4.22	009.09	0
010	Moisture (%)	0969	10.200	0.00000	11.978	0.66908	0.19060	10	-2.66	010.99	0
010	Moisture (%)	0970	11.000	0.00000	11.978	0.66908	0.19060	10	-1.46	010.99	0
010	Moisture (%)	0964	11.346	0.05600	11.978	0.66908	0.19060	10	-0.94	010.99	0
010	Moisture (%)	2004	12.000	0.00000	11.978	0.66908	0.19060	10	0.03	010.99	0
010	Moisture (%)	2089	12.030	0.72000	11.978	0.66908	0.19060	10	0.08	010.99	0
010	Moisture (%)	0164	12.090	0.44000	11.978	0.66908	0.19060	10	0.17	010.03	0
010	Moisture (%)	0208	12.250	0.10000	11.978	0.66908	0.19060	10	0.41	010.03	0
010	Moisture (%)	2036	12.345	0.23000	11.978	0.66908	0.19060	10	0.55	010.11	0
010	Moisture (%)	2050	12.600	0.00000	11.978	0.66908	0.19060	10	0.93	010.11	0
010	Moisture (%)	0553	12.830	0.36000	11.978	0.66908	0.19060	10	1.27	010.11	0

Method Group	Analyte Group (Units)	Lab Code	Lab Data		Method Values				AAFCO CS Z Score	Your Method	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
011	Loss on Drying (%)	0650	11.370	0.02000	12.043	0.24642	0.10790	33	-2.73	011.01	0
011	Loss on Drying (%)	0553	11.620	0.20000	12.043	0.24642	0.10790	33	-1.72	011.01	0
011	Loss on Drying (%)	0811	11.630	0.06000	12.043	0.24642	0.10790	33	-1.68	011.01	0
011	Loss on Drying (%)	0407	11.680	0.04080	12.043	0.24642	0.10790	33	-1.48	011.01	0
011	Loss on Drying (%)	0841	11.695	0.07000	12.043	0.24642	0.10790	33	-1.41	011.02	0
011	Loss on Drying (%)	0051	11.725	0.11000	12.043	0.24642	0.10790	33	-1.29	011.01	0
011	Loss on Drying (%)	0511	11.810	0.42000	12.043	0.24642	0.10790	33	-0.95	011.01	0
011	Loss on Drying (%)	0960	11.815	0.01000	12.043	0.24642	0.10790	33	-0.93	011.01	0
011	Loss on Drying (%)	0870	11.866	0.28890	12.043	0.24642	0.10790	33	-0.72	011.01	0
011	Loss on Drying (%)	0961	11.930	0.04000	12.043	0.24642	0.10790	33	-0.46	011.01	0
011	Loss on Drying (%)	0171	11.950	0.02000	12.043	0.24642	0.10790	33	-0.38	011.01	0
011	Loss on Drying (%)	0510	11.950	0.10000	12.043	0.24642	0.10790	33	-0.38	011.01	0
011	Loss on Drying (%)	0417	11.965	0.07000	12.043	0.24642	0.10790	33	-0.32	011.02	0
011	Loss on Drying (%)	2083	11.967	0.38100	12.043	0.24642	0.10790	33	-0.31	011.02	0
011	Loss on Drying (%)	0164	11.995	0.25000	12.043	0.24642	0.10790	33	-0.20	011.01	0
011	Loss on Drying (%)	1005	12.060	0.22000	12.043	0.24642	0.10790	33	0.07	011.02	0
011	Loss on Drying (%)	0842	12.085	0.05000	12.043	0.24642	0.10790	33	0.17	011.02	0
011	Loss on Drying (%)	0958	12.095	0.07000	12.043	0.24642	0.10790	33	0.21	011.01	0
011	Loss on Drying (%)	0794	12.100	0.04000	12.043	0.24642	0.10790	33	0.23	011.02	0
011	Loss on Drying (%)	0808	12.105	0.17000	12.043	0.24642	0.10790	33	0.25	011.01	0
011	Loss on Drying (%)	0810	12.110	0.02000	12.043	0.24642	0.10790	33	0.27	011.03	0
011	Loss on Drying (%)	0208	12.200	0.00000	12.043	0.24642	0.10790	33	0.64	011.01	0
011	Loss on Drying (%)	0957	12.220	0.22000	12.043	0.24642	0.10790	33	0.72	011.01	0
011	Loss on Drying (%)	0309	12.225	0.01000	12.043	0.24642	0.10790	33	0.74	011.01	0
011	Loss on Drying (%)	0098	12.250	0.04000	12.043	0.24642	0.10790	33	0.84	011.01	0
011	Loss on Drying (%)	1010	12.250	0.02000	12.043	0.24642	0.10790	33	0.84	011.02	0
011	Loss on Drying (%)	0959	12.260	0.06000	12.043	0.24642	0.10790	33	0.88	011.01	0
011	Loss on Drying (%)	0790	12.270	0.32000	12.043	0.24642	0.10790	33	0.92	011.01	0
011	Loss on Drying (%)	0789	12.270	0.18000	12.043	0.24642	0.10790	33	0.92	011.02	0
011	Loss on Drying (%)	0840	12.305	0.01000	12.043	0.24642	0.10790	33	1.06	011.02	0
011	Loss on Drying (%)	2094	12.310	0.02000	12.043	0.24642	0.10790	33	1.08	011.01	0
011	Loss on Drying (%)	0202	12.345	0.03000	12.043	0.24642	0.10790	33	1.23	011.01	0
011	Loss on Drying (%)	0033	12.400	0.00000	12.043	0.24642	0.10790	33	1.45	011.01	0
011	Loss on Drying (%)	0047	11.700	0.60000	12.043	0.24642	0.10790	33	-1.39	011.01	1
012	Starch (%)	0870	56.851	0.13360	59.583	2.2851	0.67883	8	-1.20	012.01	0
012	Starch (%)	2036	58.070	0.92000	59.583	2.2851	0.67883	8	-0.66	012.11	0
012	Starch (%)	0510	58.250	0.10000	59.583	2.2851	0.67883	8	-0.58	012.04	0
012	Starch (%)	0160	58.495	1.3500	59.583	2.2851	0.67883	8	-0.48	012.04	0
012	Starch (%)	2004	59.600	0.20000	59.583	2.2851	0.67883	8	0.01	012.01	0
012	Starch (%)	0208	61.250	0.70000	59.583	2.2851	0.67883	8	0.73	012.04	0
012	Starch (%)	0407	61.574	1.0770	59.583	2.2851	0.67883	8	0.87	012.03	0
012	Starch (%)	2089	65.275	0.95000	59.583	2.2851	0.67883	8	2.49	012.02	0

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012	Starch (%)	0098	60.500	5.2000	59.583	2.2851	0.67883	8	0.40	012.03	1
013	Fat (%)	0810	1.7100	0.30000	2.0822	0.20835	0.16190	33	-1.79	013.02	0
013	Fat (%)	0957	1.7900	0.20000	2.0822	0.20835	0.16190	33	-1.40	013.02	0
013	Fat (%)	0961	1.8350	0.45000	2.0822	0.20835	0.16190	33	-1.19	013.12	0
013	Fat (%)	0555	1.8500	0.10000	2.0822	0.20835	0.16190	33	-1.11	013.00	0
013	Fat (%)	0969	1.9000	0.20000	2.0822	0.20835	0.16190	33	-0.87	013.00	0
013	Fat (%)	0970	1.9000	0.00000	2.0822	0.20835	0.16190	33	-0.87	013.00	0
013	Fat (%)	0808	1.9450	0.11000	2.0822	0.20835	0.16190	33	-0.66	013.02	0
013	Fat (%)	0789	1.9500	0.38000	2.0822	0.20835	0.16190	33	-0.63	013.02	0
013	Fat (%)	0842	1.9550	0.01000	2.0822	0.20835	0.16190	33	-0.61	013.02	0
013	Fat (%)	0790	1.9600	0.16000	2.0822	0.20835	0.16190	33	-0.59	013.02	0
013	Fat (%)	1005	1.9600	0.04000	2.0822	0.20835	0.16190	33	-0.59	013.02	0
013	Fat (%)	0098	1.9650	0.15000	2.0822	0.20835	0.16190	33	-0.56	013.00	0
013	Fat (%)	0794	1.9650	0.03000	2.0822	0.20835	0.16190	33	-0.56	013.02	0
013	Fat (%)	0841	1.9750	0.31000	2.0822	0.20835	0.16190	33	-0.51	013.02	0
013	Fat (%)	2004	2.0000	0.00000	2.0822	0.20835	0.16190	33	-0.39	013.00	0
013	Fat (%)	0840	2.0000	0.04000	2.0822	0.20835	0.16190	33	-0.39	013.02	0
013	Fat (%)	0958	2.0350	0.47000	2.0822	0.20835	0.16190	33	-0.23	013.02	0
013	Fat (%)	1010	2.0450	0.09000	2.0822	0.20835	0.16190	33	-0.18	013.02	0
013	Fat (%)	0208	2.0950	0.19000	2.0822	0.20835	0.16190	33	0.06	013.02	0
013	Fat (%)	0171	2.1400	0.00000	2.0822	0.20835	0.16190	33	0.28	013.02	0
013	Fat (%)	0164	2.1850	0.23000	2.0822	0.20835	0.16190	33	0.49	013.02	0
013	Fat (%)	0870	2.1951	0.11180	2.0822	0.20835	0.16190	33	0.54	013.02	0
013	Fat (%)	0202	2.2250	0.09000	2.0822	0.20835	0.16190	33	0.69	013.00	0
013	Fat (%)	0309	2.2438	0.50450	2.0822	0.20835	0.16190	33	0.78	013.00	0
013	Fat (%)	0001	2.2486	0.00650	2.0822	0.20835	0.16190	33	0.80	013.02	0
013	Fat (%)	0051	2.2500	0.10000	2.0822	0.20835	0.16190	33	0.81	013.02	0
013	Fat (%)	0553	2.2900	0.10000	2.0822	0.20835	0.16190	33	1.00	013.02	0
013	Fat (%)	0650	2.3000	0.08000	2.0822	0.20835	0.16190	33	1.05	013.02	0
013	Fat (%)	0914	2.3000	0.18000	2.0822	0.20835	0.16190	33	1.05	013.02	0
013	Fat (%)	2094	2.3350	0.39000	2.0822	0.20835	0.16190	33	1.21	013.00	0
013	Fat (%)	0959	2.3900	0.12000	2.0822	0.20835	0.16190	33	1.48	013.02	0
013	Fat (%)	0042	2.5950	0.11000	2.0822	0.20835	0.16190	33	2.46	013.13	0
013	Fat (%)	0811	2.6850	0.09000	2.0822	0.20835	0.16190	33	2.89	013.02	0
013	Fat (%)	0960	2.3750	0.97000	2.0822	0.20835	0.16190	33	1.41	013.02	1
015	Aluminum (mg / kg (ppm))	0171	8.2500	0.30000			0.30000	1			0
019	Calcium (%)	0870	0.02300	0.00000	0.03047	0.00347	0.00279	29	-2.16	019.42	0
019	Calcium (%)	2089	0.02500	0.01000	0.03047	0.00347	0.00279	29	-1.58	019.41	0
019	Calcium (%)	0555	0.02715	0.00170	0.03047	0.00347	0.00279	29	-0.96	019.42	0
019	Calcium (%)	0969	0.02725	0.00090	0.03047	0.00347	0.00279	29	-0.93	019.44	0
019	Calcium (%)	0208	0.02750	0.00100	0.03047	0.00347	0.00279	29	-0.86	019.31	0
019	Calcium (%)	0051	0.02780	0.00180	0.03047	0.00347	0.00279	29	-0.77	019.41	0

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			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
019	Calcium (%)	2004	0.02800	0.00040	0.03047	0.00347	0.00279	29	-0.71	019.44	0
019	Calcium (%)	0164	0.02800	0.00000	0.03047	0.00347	0.00279	29	-0.71	019.41	0
019	Calcium (%)	0512	0.02875	0.00010	0.03047	0.00347	0.00279	29	-0.50	019.41	0
019	Calcium (%)	0098	0.02880	0.00300	0.03047	0.00347	0.00279	29	-0.48	019.41	0
019	Calcium (%)	0964	0.02895	0.00070	0.03047	0.00347	0.00279	29	-0.44	019.43	0
019	Calcium (%)	2094	0.02900	0.00400	0.03047	0.00347	0.00279	29	-0.43	019.43	0
019	Calcium (%)	0650	0.03000	0.00000	0.03047	0.00347	0.00279	29	-0.14	019.31	0
019	Calcium (%)	0171	0.03000	0.00000	0.03047	0.00347	0.00279	29	-0.14	019.41	0
019	Calcium (%)	0511	0.03000	0.00000	0.03047	0.00347	0.00279	29	-0.14	019.41	0
019	Calcium (%)	0510	0.03000	0.00000	0.03047	0.00347	0.00279	29	-0.14	019.43	0
019	Calcium (%)	0970	0.03000	0.00000	0.03047	0.00347	0.00279	29	-0.14	019.44	0
019	Calcium (%)	0047	0.03000	0.00200	0.03047	0.00347	0.00279	29	-0.14	019.52	0
019	Calcium (%)	0208	0.03100	0.00200	0.03047	0.00347	0.00279	29	0.15	019.41	0
019	Calcium (%)	0065	0.03100	0.00000	0.03047	0.00347	0.00279	29	0.15	019.44	0
019	Calcium (%)	0553	0.03325	0.00050	0.03047	0.00347	0.00279	29	0.80	019.41	0
019	Calcium (%)	0098	0.03350	0.00160	0.03047	0.00347	0.00279	29	0.87	019.43	0
019	Calcium (%)	0407	0.03390	0.00120	0.03047	0.00347	0.00279	29	0.99	019.41	0
019	Calcium (%)	0014	0.03600	0.00200	0.03047	0.00347	0.00279	29	1.59	019.31	0
019	Calcium (%)	0042	0.03900	0.00600	0.03047	0.00347	0.00279	29	2.46	019.42	0
019	Calcium (%)	0202	0.04000	0.00000	0.03047	0.00347	0.00279	29	2.75	019.42	0
019	Calcium (%)	0003	0.05500	0.03000	0.03047	0.00347	0.00279	29	7.07	019.41	0
019	Calcium (%)	0876	0.10700	0.00200	0.03047	0.00347	0.00279	29	22.07	019.53	0
019	Calcium (%)	0027	0.14500	0.01000	0.03047	0.00347	0.00279	29	33.03	019.43	0
019	Calcium (%)	0034	363.10	15.800	0.03047	0.00347	0.00279	29	104714.83	019.53	2
021	Cobalt (mg / kg (ppm))	0964	0.01230	0.00240				1			0
021	Cobalt (mg / kg (ppm))	0555	0.00000	0.00000				1			4
022	Copper (mg / kg (ppm))	0017	1.8095	0.05700	5.3876	0.56383	0.35833	23	-6.35	022.43	0
022	Copper (mg / kg (ppm))	0047	4.0750	0.09000	5.3876	0.56383	0.35833	23	-2.33	022.52	0
022	Copper (mg / kg (ppm))	2089	4.1400	1.0000	5.3876	0.56383	0.35833	23	-2.21	022.41	0
022	Copper (mg / kg (ppm))	0511	4.5000	1.0000	5.3876	0.56383	0.35833	23	-1.57	022.41	0
022	Copper (mg / kg (ppm))	0510	5.0000	0.00000	5.3876	0.56383	0.35833	23	-0.69	022.43	0
022	Copper (mg / kg (ppm))	0051	5.0650	0.01000	5.3876	0.56383	0.35833	23	-0.57	022.41	0
022	Copper (mg / kg (ppm))	0098	5.1100	0.78000	5.3876	0.56383	0.35833	23	-0.49	022.41	0
022	Copper (mg / kg (ppm))	0555	5.2000	0.00000	5.3876	0.56383	0.35833	23	-0.33	022.42	0
022	Copper (mg / kg (ppm))	2004	5.2550	0.07000	5.3876	0.56383	0.35833	23	-0.24	022.44	0
022	Copper (mg / kg (ppm))	0970	5.3000	0.20000	5.3876	0.56383	0.35833	23	-0.16	022.44	0
022	Copper (mg / kg (ppm))	0208	5.3250	0.11000	5.3876	0.56383	0.35833	23	-0.11	022.31	0
022	Copper (mg / kg (ppm))	0969	5.3250	0.19000	5.3876	0.56383	0.35833	23	-0.11	022.44	0
022	Copper (mg / kg (ppm))	0164	5.3650	0.05000	5.3876	0.56383	0.35833	23	-0.04	022.41	0
022	Copper (mg / kg (ppm))	0555	5.6000	1.2000	5.3876	0.56383	0.35833	23	0.38	022.52	0
022	Copper (mg / kg (ppm))	0964	5.6037	0.18990	5.3876	0.56383	0.35833	23	0.38	022.43	0
022	Copper (mg / kg (ppm))	0098	5.6150	0.27000	5.3876	0.56383	0.35833	23	0.40	022.43	0

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022	Copper (mg / kg (ppm))	0407	5.7106	0.27570	5.3876	0.56383	0.35833	23	0.57	022.41	0
022	Copper (mg / kg (ppm))	0171	5.8500	0.50000	5.3876	0.56383	0.35833	23	0.82	022.41	0
022	Copper (mg / kg (ppm))	0870	5.9910	0.20200	5.3876	0.56383	0.35833	23	1.07	022.42	0
022	Copper (mg / kg (ppm))	0512	6.2985	0.40100	5.3876	0.56383	0.35833	23	1.62	022.41	0
022	Copper (mg / kg (ppm))	0042	6.3700	0.98000	5.3876	0.56383	0.35833	23	1.74	022.42	0
022	Copper (mg / kg (ppm))	0027	6.6430	0.65600	5.3876	0.56383	0.35833	23	2.23	022.43	0
022	Copper (mg / kg (ppm))	0202	12.015	0.01000	5.3876	0.56383	0.35833	23	11.75	022.42	0
022	Copper (mg / kg (ppm))	0003	7.0000	2.0000	5.3876	0.56383	0.35833	23	2.86	022.41	1
024	Iodine (mg / kg (ppm))	0969	0.00000	0.00000				0			4
024	Iodine (mg / kg (ppm))	0970	0.00000	0.00000				0			4
024	Iodine (mg / kg (ppm))	2004	0.00000	0.00000				0			4
025	Iron (mg / kg (ppm))	0017	19.575	0.47000	28.133	2.8222	2.1065	22	-3.03	025.43	0
025	Iron (mg / kg (ppm))	0511	22.000	4.0000	28.133	2.8222	2.1065	22	-2.17	025.41	0
025	Iron (mg / kg (ppm))	0051	26.000	0.00000	28.133	2.8222	2.1065	22	-0.76	025.41	0
025	Iron (mg / kg (ppm))	0970	26.000	0.00000	28.133	2.8222	2.1065	22	-0.76	025.41	0
025	Iron (mg / kg (ppm))	0555	26.000	4.0000	28.133	2.8222	2.1065	22	-0.76	025.52	0
025	Iron (mg / kg (ppm))	0098	26.275	0.61000	28.133	2.8222	2.1065	22	-0.66	025.41	0
025	Iron (mg / kg (ppm))	0510	26.500	1.0000	28.133	2.8222	2.1065	22	-0.58	025.43	0
025	Iron (mg / kg (ppm))	2004	26.550	0.90000	28.133	2.8222	2.1065	22	-0.56	025.41	0
025	Iron (mg / kg (ppm))	0969	27.000	0.60000	28.133	2.8222	2.1065	22	-0.40	025.41	0
025	Iron (mg / kg (ppm))	0555	27.000	0.00000	28.133	2.8222	2.1065	22	-0.40	025.42	0
025	Iron (mg / kg (ppm))	0870	27.060	1.2200	28.133	2.8222	2.1065	22	-0.38	025.42	0
025	Iron (mg / kg (ppm))	0208	27.650	0.70000	28.133	2.8222	2.1065	22	-0.17	025.31	0
025	Iron (mg / kg (ppm))	0164	28.000	0.00000	28.133	2.8222	2.1065	22	-0.05	025.41	0
025	Iron (mg / kg (ppm))	0512	29.705	0.05000	28.133	2.8222	2.1065	22	0.56	025.41	0
025	Iron (mg / kg (ppm))	0964	29.729	1.8427	28.133	2.8222	2.1065	22	0.57	025.43	0
025	Iron (mg / kg (ppm))	0027	30.195	6.7700	28.133	2.8222	2.1065	22	0.73	025.43	0
025	Iron (mg / kg (ppm))	0208	30.760	1.5800	28.133	2.8222	2.1065	22	0.93	025.41	0
025	Iron (mg / kg (ppm))	0171	30.800	0.20000	28.133	2.8222	2.1065	22	0.94	025.41	0
025	Iron (mg / kg (ppm))	0407	32.116	1.6910	28.133	2.8222	2.1065	22	1.41	025.41	0
025	Iron (mg / kg (ppm))	0098	32.455	3.1100	28.133	2.8222	2.1065	22	1.53	025.43	0
025	Iron (mg / kg (ppm))	0003	36.000	8.0000	28.133	2.8222	2.1065	22	2.79	025.41	0
025	Iron (mg / kg (ppm))	0047	79.000	9.6000	28.133	2.8222	2.1065	22	18.02	025.52	0
025	Iron (mg / kg (ppm))	0042	57.250	38.300	28.133	2.8222	2.1065	22	10.32	025.42	1
027	Magnesium (%)	0001	0.08115	0.00930	0.09197	0.00526	0.00447	31	-2.06	027.31	0
027	Magnesium (%)	0511	0.08500	0.01000	0.09197	0.00526	0.00447	31	-1.32	027.41	0
027	Magnesium (%)	0164	0.08595	0.00030	0.09197	0.00526	0.00447	31	-1.14	027.41	0
027	Magnesium (%)	0034	0.08640	0.00120	0.09197	0.00526	0.00447	31	-1.06	027.53	0
027	Magnesium (%)	0065	0.08725	0.00150	0.09197	0.00526	0.00447	31	-0.90	027.44	0
027	Magnesium (%)	0051	0.08760	0.00060	0.09197	0.00526	0.00447	31	-0.83	027.41	0
027	Magnesium (%)	2004	0.08800	0.00080	0.09197	0.00526	0.00447	31	-0.75	027.44	0
027	Magnesium (%)	0208	0.08850	0.00100	0.09197	0.00526	0.00447	31	-0.66	027.31	0

Method Group	Analyte Group (Units)	Lab Code	Lab Data		Method Values				AAFCO CS Z Score	Your Method	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
027	Magnesium (%)	0555	0.08850	0.00500	0.09197	0.00526	0.00447	31	-0.66	027.42	0
027	Magnesium (%)	0870	0.08850	0.00100	0.09197	0.00526	0.00447	31	-0.66	027.42	0
027	Magnesium (%)	0512	0.08885	0.00030	0.09197	0.00526	0.00447	31	-0.59	027.41	0
027	Magnesium (%)	0098	0.08915	0.00590	0.09197	0.00526	0.00447	31	-0.54	027.41	0
027	Magnesium (%)	0171	0.09000	0.00000	0.09197	0.00526	0.00447	31	-0.37	027.41	0
027	Magnesium (%)	2089	0.09000	0.00000	0.09197	0.00526	0.00447	31	-0.37	027.41	0
027	Magnesium (%)	0510	0.09000	0.00000	0.09197	0.00526	0.00447	31	-0.37	027.43	0
027	Magnesium (%)	0970	0.09000	0.00000	0.09197	0.00526	0.00447	31	-0.37	027.44	0
027	Magnesium (%)	0014	0.09250	0.00100	0.09197	0.00526	0.00447	31	0.10	027.31	0
027	Magnesium (%)	0034	0.09335	0.00210	0.09197	0.00526	0.00447	31	0.26	027.43	0
027	Magnesium (%)	0407	0.09400	0.00000	0.09197	0.00526	0.00447	31	0.39	027.41	0
027	Magnesium (%)	0098	0.09440	0.00380	0.09197	0.00526	0.00447	31	0.46	027.43	0
027	Magnesium (%)	0208	0.09450	0.00300	0.09197	0.00526	0.00447	31	0.48	027.41	0
027	Magnesium (%)	0003	0.09500	0.01000	0.09197	0.00526	0.00447	31	0.58	027.41	0
027	Magnesium (%)	0964	0.09565	0.00470	0.09197	0.00526	0.00447	31	0.70	027.43	0
027	Magnesium (%)	0027	0.09600	0.00400	0.09197	0.00526	0.00447	31	0.77	027.43	0
027	Magnesium (%)	0017	0.09650	0.00900	0.09197	0.00526	0.00447	31	0.86	027.43	0
027	Magnesium (%)	0553	0.09680	0.00500	0.09197	0.00526	0.00447	31	0.92	027.41	0
027	Magnesium (%)	0202	0.10000	0.00000	0.09197	0.00526	0.00447	31	1.53	027.42	0
027	Magnesium (%)	0042	0.10250	0.00500	0.09197	0.00526	0.00447	31	2.00	027.42	0
027	Magnesium (%)	0047	0.11000	0.02000	0.09197	0.00526	0.00447	31	3.43	027.52	0
027	Magnesium (%)	0876	0.17150	0.00300	0.09197	0.00526	0.00447	31	15.11	027.53	0
027	Magnesium (%)	0650	0.88950	0.03100	0.09197	0.00526	0.00447	31	151.55	027.31	0
027	Magnesium (%)	0969	871.50	15.000	0.09197	0.00526	0.00447	31	165584.68	027.44	2
028	Manganese (mg / kg (ppm))	0017	6.8335	0.48900	10.550	0.52033	0.36154	24	-7.14	028.43	0
028	Manganese (mg / kg (ppm))	0511	9.0000	0.00000	10.550	0.52033	0.36154	24	-2.98	028.41	0
028	Manganese (mg / kg (ppm))	0870	9.9280	0.52400	10.550	0.52033	0.36154	24	-1.19	028.42	0
028	Manganese (mg / kg (ppm))	0510	10.000	0.00000	10.550	0.52033	0.36154	24	-1.06	028.43	0
028	Manganese (mg / kg (ppm))	0034	10.175	0.21000	10.550	0.52033	0.36154	24	-0.72	028.53	0
028	Manganese (mg / kg (ppm))	0051	10.180	0.28000	10.550	0.52033	0.36154	24	-0.71	028.41	0
028	Manganese (mg / kg (ppm))	0208	10.300	0.00000	10.550	0.52033	0.36154	24	-0.48	028.31	0
028	Manganese (mg / kg (ppm))	0555	10.350	0.50000	10.550	0.52033	0.36154	24	-0.38	028.42	0
028	Manganese (mg / kg (ppm))	0969	10.350	0.30000	10.550	0.52033	0.36154	24	-0.38	028.44	0
028	Manganese (mg / kg (ppm))	0164	10.400	0.00000	10.550	0.52033	0.36154	24	-0.29	028.41	0
028	Manganese (mg / kg (ppm))	2089	10.450	0.24000	10.550	0.52033	0.36154	24	-0.19	028.41	0
028	Manganese (mg / kg (ppm))	0098	10.470	0.08000	10.550	0.52033	0.36154	24	-0.15	028.41	0
028	Manganese (mg / kg (ppm))	0970	10.500	1.0000	10.550	0.52033	0.36154	24	-0.10	028.44	0
028	Manganese (mg / kg (ppm))	2004	10.500	0.20000	10.550	0.52033	0.36154	24	-0.10	028.44	0
028	Manganese (mg / kg (ppm))	0555	10.500	1.0000	10.550	0.52033	0.36154	24	-0.10	028.52	0
028	Manganese (mg / kg (ppm))	0512	10.740	0.20000	10.550	0.52033	0.36154	24	0.37	028.41	0
028	Manganese (mg / kg (ppm))	0171	10.750	0.10000	10.550	0.52033	0.36154	24	0.38	028.41	0
028	Manganese (mg / kg (ppm))	0098	10.985	0.53000	10.550	0.52033	0.36154	24	0.84	028.43	0

Method Group	Analyte Group (Units)	Lab Code	Lab Data		Method Values				AAFCO CS Z Score	Your Method	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
028	Manganese (mg / kg (ppm))	0964	11.574	0.85110	10.550	0.52033	0.36154	24	1.97	028.43	0
028	Manganese (mg / kg (ppm))	0407	11.696	0.06290	10.550	0.52033	0.36154	24	2.20	028.41	0
028	Manganese (mg / kg (ppm))	0042	11.850	0.30000	10.550	0.52033	0.36154	24	2.50	028.42	0
028	Manganese (mg / kg (ppm))	0202	12.015	0.01000	10.550	0.52033	0.36154	24	2.82	028.42	0
028	Manganese (mg / kg (ppm))	0027	12.540	0.52000	10.550	0.52033	0.36154	24	3.82	028.43	0
028	Manganese (mg / kg (ppm))	0047	12.900	1.2800	10.550	0.52033	0.36154	24	4.52	028.52	0
028	Manganese (mg / kg (ppm))	0003	13.500	3.0000	10.550	0.52033	0.36154	24	5.67	028.41	1
031	Phosphorus (%)	0017	0.21550	0.01700	0.26834	0.01327	0.00994	32	-3.98	031.43	0
031	Phosphorus (%)	0047	0.24500	0.01000	0.26834	0.01327	0.00994	32	-1.76	031.03	0
031	Phosphorus (%)	0510	0.25000	0.00000	0.26834	0.01327	0.00994	32	-1.38	031.43	0
031	Phosphorus (%)	0870	0.25125	0.01310	0.26834	0.01327	0.00994	32	-1.29	031.42	0
031	Phosphorus (%)	0042	0.25200	0.00400	0.26834	0.01327	0.00994	32	-1.23	031.42	0
031	Phosphorus (%)	0555	0.25230	0.01540	0.26834	0.01327	0.00994	32	-1.21	031.42	0
031	Phosphorus (%)	0051	0.25965	0.00330	0.26834	0.01327	0.00994	32	-0.65	031.41	0
031	Phosphorus (%)	2089	0.26000	0.00000	0.26834	0.01327	0.00994	32	-0.63	031.41	0
031	Phosphorus (%)	0969	0.26200	0.00800	0.26834	0.01327	0.00994	32	-0.48	031.44	0
031	Phosphorus (%)	0034	0.26220	0.00600	0.26834	0.01327	0.00994	32	-0.46	031.53	0
031	Phosphorus (%)	2004	0.26350	0.00500	0.26834	0.01327	0.00994	32	-0.36	031.44	0
031	Phosphorus (%)	0208	0.26400	0.00400	0.26834	0.01327	0.00994	32	-0.33	031.01	0
031	Phosphorus (%)	0033	0.26500	0.01000	0.26834	0.01327	0.00994	32	-0.25	031.43	0
031	Phosphorus (%)	0065	0.26540	0.00920	0.26834	0.01327	0.00994	32	-0.22	031.44	0
031	Phosphorus (%)	0001	0.26650	0.00100	0.26834	0.01327	0.00994	32	-0.14	031.03	0
031	Phosphorus (%)	0164	0.26700	0.00400	0.26834	0.01327	0.00994	32	-0.10	031.41	0
031	Phosphorus (%)	0171	0.26750	0.00500	0.26834	0.01327	0.00994	32	-0.06	031.41	0
031	Phosphorus (%)	0098	0.26805	0.02430	0.26834	0.01327	0.00994	32	-0.02	031.41	0
031	Phosphorus (%)	0202	0.27000	0.00000	0.26834	0.01327	0.00994	32	0.13	031.42	0
031	Phosphorus (%)	0553	0.27050	0.04100	0.26834	0.01327	0.00994	32	0.16	031.41	0
031	Phosphorus (%)	0014	0.27350	0.00700	0.26834	0.01327	0.00994	32	0.39	031.42	0
031	Phosphorus (%)	0650	0.27500	0.01000	0.26834	0.01327	0.00994	32	0.50	031.01	0
031	Phosphorus (%)	0512	0.27500	0.00280	0.26834	0.01327	0.00994	32	0.50	031.41	0
031	Phosphorus (%)	0970	0.27500	0.01000	0.26834	0.01327	0.00994	32	0.50	031.44	0
031	Phosphorus (%)	0511	0.28000	0.00000	0.26834	0.01327	0.00994	32	0.88	031.01	0
031	Phosphorus (%)	2094	0.28550	0.03500	0.26834	0.01327	0.00994	32	1.29	031.43	0
031	Phosphorus (%)	0964	0.28760	0.01480	0.26834	0.01327	0.00994	32	1.45	031.43	0
031	Phosphorus (%)	0407	0.29695	0.00050	0.26834	0.01327	0.00994	32	2.16	031.41	0
031	Phosphorus (%)	0208	0.29800	0.00400	0.26834	0.01327	0.00994	32	2.24	031.41	0
031	Phosphorus (%)	0027	0.30150	0.00500	0.26834	0.01327	0.00994	32	2.50	031.43	0
031	Phosphorus (%)	0098	0.31580	0.00860	0.26834	0.01327	0.00994	32	3.58	031.43	0
031	Phosphorus (%)	0876	0.43000	0.04000	0.26834	0.01327	0.00994	32	12.18	031.43	0
031	Phosphorus (%)	0003	0.32500	0.05000	0.26834	0.01327	0.00994	32	4.27	031.41	1
032	Potassium (%)	0511	0.27500	0.03000	0.32965	0.01331	0.01517	29	-4.11	032.41	0
032	Potassium (%)	0003	0.29500	0.01000	0.32965	0.01331	0.01517	29	-2.60	032.41	0

Method Group	Analyte Group (Units)	Lab Code	Lab Data		Method Values				AAFCO CS Z Score	Your Method	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
032	Potassium (%)	0001	0.30150	0.01500	0.32965	0.01331	0.01517	29	-2.12	032.99	0
032	Potassium (%)	0164	0.31100	0.00200	0.32965	0.01331	0.01517	29	-1.40	032.41	0
032	Potassium (%)	0208	0.31600	0.00800	0.32965	0.01331	0.01517	29	-1.03	032.41	0
032	Potassium (%)	2004	0.31600	0.00400	0.32965	0.01331	0.01517	29	-1.03	032.44	0
032	Potassium (%)	0014	0.31700	0.00400	0.32965	0.01331	0.01517	29	-0.95	032.31	0
032	Potassium (%)	0208	0.32200	0.01400	0.32965	0.01331	0.01517	29	-0.57	032.31	0
032	Potassium (%)	2089	0.32500	0.01000	0.32965	0.01331	0.01517	29	-0.35	032.41	0
032	Potassium (%)	0510	0.32500	0.01000	0.32965	0.01331	0.01517	29	-0.35	032.43	0
032	Potassium (%)	0969	0.32500	0.01400	0.32965	0.01331	0.01517	29	-0.35	032.44	0
032	Potassium (%)	0555	0.32775	0.02450	0.32965	0.01331	0.01517	29	-0.14	032.42	0
032	Potassium (%)	0171	0.32800	0.00400	0.32965	0.01331	0.01517	29	-0.12	032.41	0
032	Potassium (%)	0098	0.33000	0.04000	0.32965	0.01331	0.01517	29	0.03	032.43	0
032	Potassium (%)	0047	0.33000	0.02000	0.32965	0.01331	0.01517	29	0.03	032.02	0
032	Potassium (%)	0098	0.33000	0.02000	0.32965	0.01331	0.01517	29	0.03	032.41	0
032	Potassium (%)	0970	0.33000	0.00000	0.32965	0.01331	0.01517	29	0.03	032.44	0
032	Potassium (%)	0051	0.33200	0.02440	0.32965	0.01331	0.01517	29	0.18	032.41	0
032	Potassium (%)	0065	0.33240	0.00720	0.32965	0.01331	0.01517	29	0.21	032.44	0
032	Potassium (%)	0512	0.33325	0.00010	0.32965	0.01331	0.01517	29	0.27	032.41	0
032	Potassium (%)	0553	0.33550	0.05900	0.32965	0.01331	0.01517	29	0.44	032.41	0
032	Potassium (%)	0042	0.33750	0.00100	0.32965	0.01331	0.01517	29	0.59	032.42	0
032	Potassium (%)	0870	0.33960	0.00760	0.32965	0.01331	0.01517	29	0.75	032.42	0
032	Potassium (%)	0202	0.34000	0.00000	0.32965	0.01331	0.01517	29	0.78	032.42	0
032	Potassium (%)	0964	0.34935	0.01910	0.32965	0.01331	0.01517	29	1.48	032.43	0
032	Potassium (%)	0034	0.35940	0.00280	0.32965	0.01331	0.01517	29	2.24	032.53	0
032	Potassium (%)	0027	0.36800	0.01800	0.32965	0.01331	0.01517	29	2.88	032.43	0
032	Potassium (%)	0407	0.40875	0.00130	0.32965	0.01331	0.01517	29	5.95	032.41	0
032	Potassium (%)	0876	0.56500	0.07000	0.32965	0.01331	0.01517	29	17.69	032.53	0
032	Potassium (%)	0017	0.28550	0.14500	0.32965	0.01331	0.01517	29	-3.32	032.43	1
032	Potassium (%)	0650	3.4200	0.18000	0.32965	0.01331	0.01517	29	232.26	032.31	2
033	Salt as chloride (%)	0098	0.13500	0.03000	0.16600	0.02382	0.01400	5	-1.30	033.01	0
033	Salt as chloride (%)	0407	0.15500	0.00000	0.16600	0.02382	0.01400	5	-0.46	033.01	0
033	Salt as chloride (%)	0164	0.16000	0.00000	0.16600	0.02382	0.01400	5	-0.25	033.01	0
033	Salt as chloride (%)	0510	0.19000	0.02000	0.16600	0.02382	0.01400	5	1.01	033.01	0
033	Salt as chloride (%)	0650	0.19000	0.02000	0.16600	0.02382	0.01400	5	1.01	033.01	0
034	Selenium (mg / kg (ppm))	0164	0.46500	0.01000	0.47933	0.01358	0.02367	6	-1.06	034.04	0
034	Selenium (mg / kg (ppm))	0970	0.47000	0.00000	0.47933	0.01358	0.02367	6	-0.69	034.99	0
034	Selenium (mg / kg (ppm))	0555	0.47500	0.01000	0.47933	0.01358	0.02367	6	-0.32	034.99	0
034	Selenium (mg / kg (ppm))	2004	0.47900	0.02400	0.47933	0.01358	0.02367	6	-0.02	034.99	0
034	Selenium (mg / kg (ppm))	0553	0.49200	0.04800	0.47933	0.01358	0.02367	6	0.93	034.53	0
034	Selenium (mg / kg (ppm))	0555	0.49500	0.05000	0.47933	0.01358	0.02367	6	1.15	034.52	0
035	Sodium (%)	2094	0.00500	0.00000	0.00715	0.00214	0.00067	18	-1.00	035.43	0
035	Sodium (%)	0098	0.00505	0.00090	0.00715	0.00214	0.00067	18	-0.98	035.43	0

Method Group	Analyte Group (Units)	Lab Code	Lab Data		Method Values				AAFCO CS Z Score	Your Method	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
035	Sodium (%)	0553	0.00510	0.00000	0.00715	0.00214	0.00067	18	-0.96	035.41	0
035	Sodium (%)	0964	0.00525	0.00010	0.00715	0.00214	0.00067	18	-0.89	035.43	0
035	Sodium (%)	0510	0.00550	0.00100	0.00715	0.00214	0.00067	18	-0.77	035.43	0
035	Sodium (%)	0555	0.00555	0.00030	0.00715	0.00214	0.00067	18	-0.75	035.42	0
035	Sodium (%)	0051	0.00595	0.00030	0.00715	0.00214	0.00067	18	-0.56	035.41	0
035	Sodium (%)	0164	0.00600	0.00000	0.00715	0.00214	0.00067	18	-0.54	035.41	0
035	Sodium (%)	0098	0.00615	0.00070	0.00715	0.00214	0.00067	18	-0.47	035.41	0
035	Sodium (%)	0208	0.00700	0.00000	0.00715	0.00214	0.00067	18	-0.07	035.41	0
035	Sodium (%)	0512	0.00735	0.00110	0.00715	0.00214	0.00067	18	0.09	035.41	0
035	Sodium (%)	0407	0.00780	0.00080	0.00715	0.00214	0.00067	18	0.30	035.41	0
035	Sodium (%)	0870	0.00860	0.00080	0.00715	0.00214	0.00067	18	0.68	035.42	0
035	Sodium (%)	0202	0.01000	0.00000	0.00715	0.00214	0.00067	18	1.33	035.42	0
035	Sodium (%)	0014	0.01150	0.00100	0.00715	0.00214	0.00067	18	2.03	035.31	0
035	Sodium (%)	0171	0.01350	0.00100	0.00715	0.00214	0.00067	18	2.96	035.41	0
035	Sodium (%)	0065	0.01500	0.00000	0.00715	0.00214	0.00067	18	3.66	035.41	0
035	Sodium (%)	0003	0.01800	0.00400	0.00715	0.00214	0.00067	18	5.06	035.41	0
035	Sodium (%)	0017	0.01050	0.00700	0.00715	0.00214	0.00067	18	1.56	035.43	1
035	Sodium (%)	0969	0.00000	0.00000	0.00715	0.00214	0.00067	18	-3.34	035.41	4
035	Sodium (%)	0970	0.00000	0.00000	0.00715	0.00214	0.00067	18	-3.34	035.41	4
035	Sodium (%)	2004	0.00000	0.00000	0.00715	0.00214	0.00067	18	-3.34	035.41	4
035	Sodium (%)	2089	0.00000	0.00000	0.00715	0.00214	0.00067	18	-3.34	035.41	4
036	Sulfur (%)	0555	0.11795	0.00410	0.13109	0.00750	0.00569	15	-1.75	036.42	0
036	Sulfur (%)	0870	0.12290	0.01020	0.13109	0.00750	0.00569	15	-1.09	036.42	0
036	Sulfur (%)	0164	0.12500	0.01000	0.13109	0.00750	0.00569	15	-0.81	036.42	0
036	Sulfur (%)	0034	0.12590	0.00560	0.13109	0.00750	0.00569	15	-0.69	036.53	0
036	Sulfur (%)	0553	0.12700	0.02400	0.13109	0.00750	0.00569	15	-0.55	036.53	0
036	Sulfur (%)	0001	0.12750	0.01900	0.13109	0.00750	0.00569	15	-0.48	036.04	0
036	Sulfur (%)	0202	0.13000	0.00000	0.13109	0.00750	0.00569	15	-0.15	036.42	0
036	Sulfur (%)	0510	0.13000	0.00000	0.13109	0.00750	0.00569	15	-0.15	036.43	0
036	Sulfur (%)	0027	0.13100	0.00000	0.13109	0.00750	0.00569	15	-0.01	036.43	0
036	Sulfur (%)	0964	0.13400	0.00120	0.13109	0.00750	0.00569	15	0.39	036.43	0
036	Sulfur (%)	2089	0.13500	0.01000	0.13109	0.00750	0.00569	15	0.52	036.42	0
036	Sulfur (%)	0407	0.13660	0.00020	0.13109	0.00750	0.00569	15	0.73	036.42	0
036	Sulfur (%)	0098	0.14000	0.00000	0.13109	0.00750	0.00569	15	1.19	036.04	0
036	Sulfur (%)	0171	0.14050	0.00100	0.13109	0.00750	0.00569	15	1.25	036.42	0
036	Sulfur (%)	0098	0.15000	0.00000	0.13109	0.00750	0.00569	15	2.52	036.43	0
037	Zinc (mg / kg (ppm))	0017	21.080	0.47500	29.240	2.8454	1.2621	26	-2.87	037.43	0
037	Zinc (mg / kg (ppm))	0001	24.040	1.3400	29.240	2.8454	1.2621	26	-1.83	037.31	0
037	Zinc (mg / kg (ppm))	0870	25.795	0.35000	29.240	2.8454	1.2621	26	-1.21	037.42	0
037	Zinc (mg / kg (ppm))	0511	26.500	3.0000	29.240	2.8454	1.2621	26	-0.96	037.41	0
037	Zinc (mg / kg (ppm))	2089	26.770	3.0800	29.240	2.8454	1.2621	26	-0.87	037.41	0
037	Zinc (mg / kg (ppm))	0208	27.350	1.5000	29.240	2.8454	1.2621	26	-0.66	037.31	0

Method Group	Analyte Group (Units)	Lab Code	Lab Data		Method Values				AAFCO CS Z Score	Your Method	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
037	Zinc (mg / kg (ppm))	0164	27.500	1.0000	29.240	2.8454	1.2621	26	-0.61	037.41	0
037	Zinc (mg / kg (ppm))	0555	28.000	0.00000	29.240	2.8454	1.2621	26	-0.44	037.42	0
037	Zinc (mg / kg (ppm))	0208	28.015	1.5100	29.240	2.8454	1.2621	26	-0.43	037.41	0
037	Zinc (mg / kg (ppm))	0969	28.400	0.80000	29.240	2.8454	1.2621	26	-0.30	037.44	0
037	Zinc (mg / kg (ppm))	0051	28.470	0.66000	29.240	2.8454	1.2621	26	-0.27	037.41	0
037	Zinc (mg / kg (ppm))	0510	28.500	1.0000	29.240	2.8454	1.2621	26	-0.26	037.43	0
037	Zinc (mg / kg (ppm))	2004	28.750	0.50000	29.240	2.8454	1.2621	26	-0.17	037.44	0
037	Zinc (mg / kg (ppm))	0098	28.920	1.7000	29.240	2.8454	1.2621	26	-0.11	037.41	0
037	Zinc (mg / kg (ppm))	0555	29.000	0.00000	29.240	2.8454	1.2621	26	-0.08	037.52	0
037	Zinc (mg / kg (ppm))	0970	29.500	1.0000	29.240	2.8454	1.2621	26	0.09	037.44	0
037	Zinc (mg / kg (ppm))	0512	29.625	0.45000	29.240	2.8454	1.2621	26	0.14	037.41	0
037	Zinc (mg / kg (ppm))	0047	30.450	1.9000	29.240	2.8454	1.2621	26	0.43	037.52	0
037	Zinc (mg / kg (ppm))	0964	30.894	2.6538	29.240	2.8454	1.2621	26	0.58	037.43	0
037	Zinc (mg / kg (ppm))	0202	31.500	1.0000	29.240	2.8454	1.2621	26	0.79	037.42	0
037	Zinc (mg / kg (ppm))	0553	31.750	3.1000	29.240	2.8454	1.2621	26	0.88	037.41	0
037	Zinc (mg / kg (ppm))	0098	34.950	0.12000	29.240	2.8454	1.2621	26	2.01	037.43	0
037	Zinc (mg / kg (ppm))	0407	34.956	0.37690	29.240	2.8454	1.2621	26	2.01	037.41	0
037	Zinc (mg / kg (ppm))	0171	35.050	0.30000	29.240	2.8454	1.2621	26	2.04	037.41	0
037	Zinc (mg / kg (ppm))	0003	41.500	5.0000	29.240	2.8454	1.2621	26	4.31	037.41	0
037	Zinc (mg / kg (ppm))	0027	54.850	0.00000	29.240	2.8454	1.2621	26	9.00	037.43	0
037	Zinc (mg / kg (ppm))	0042	24.000	23.000	29.240	2.8454	1.2621	26	-1.84	037.42	1
038	Molybdenum (mg / kg (ppm))	0555	0.95000	0.00000	0.99625	0.05375	0.05750	4	-0.86	038.42	0
038	Molybdenum (mg / kg (ppm))	0510	0.95000	0.10000	0.99625	0.05375	0.05750	4	-0.86	038.43	0
038	Molybdenum (mg / kg (ppm))	0553	1.0350	0.03000	0.99625	0.05375	0.05750	4	0.72	038.53	0
038	Molybdenum (mg / kg (ppm))	0555	1.0500	0.10000	0.99625	0.05375	0.05750	4	1.00	038.52	0
040	Barium (mg / kg (ppm))	0555	1.3000	0.20000			0.20000	1			0
041	Vanadium (mg / kg (ppm))	0555	0.29000	0.14000			0.14000	1			0
042	Chloride (%)	0969	0.09450	0.00100	0.09890	0.00156	0.00033	3		042.00	0
042	Chloride (%)	2004	0.09780	0.00000	0.09890	0.00156	0.00033	3		042.00	0
042	Chloride (%)	0970	0.10000	0.00000	0.09890	0.00156	0.00033	3		042.99	0
101	Choline Chloride (mg / kg (ppm))	2004	1,200.0	20.000			60.000	2		101.01	0
101	Choline Chloride (mg / kg (ppm))	0227	1,280.0	100.00			60.000	2		101.02	0
102	Niacin (mg / kg (ppm))	0227	46.500	0.60000	56.183	8.6511	1.1000	3		102.01	0
102	Niacin (mg / kg (ppm))	2004	58.900	0.40000	56.183	8.6511	1.1000	3		102.01	0
102	Niacin (mg / kg (ppm))	0969	63.150	2.3000	56.183	8.6511	1.1000	3		102.01	0
103	Pantothenic Acid (mg / kg (ppm))	0227	1.7250	0.03000	2.2375	0.72478	0.34333	3		103.01	0
103	Pantothenic Acid (mg / kg (ppm))	2004	2.7500	0.10000	2.2375	0.72478	0.34333	3		103.02	0
103	Pantothenic Acid (mg / kg (ppm))	0969	9.4500	0.90000	2.2375	0.72478	0.34333	3		103.02	0
104	Riboflavin (mg / kg (ppm))	2004	1.1500	0.10000			0.05000	2		104.02	0
104	Riboflavin (mg / kg (ppm))	0969	1.6000	0.00000			0.05000	2		104.02	0
105	Thiamine (mg / kg (ppm))	0969	1.6500	0.10000			0.05000	2		105.99	0
105	Thiamine (mg / kg (ppm))	2004	1.7000	0.00000			0.05000	2		105.99	0

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106	Vitamin A (KU / kg)	0969	0.00000	0.00000				0		4	
106	Vitamin A (KU / kg)	0970	0.00000	0.00000				0		4	
106	Vitamin A (KU / kg)	2004	0.00000	0.00000				0		4	
107	Vitamin B12 (µg / kg (ppb))	2004	1.7000	0.40000				1		0	
107	Vitamin B12 (µg / kg (ppb))	0969	0.00000	0.00000				1		4	
108	Vitamin D3 (KU / kg)	0969	0.00000	0.00000				0		4	
108	Vitamin D3 (KU / kg)	0970	0.00000	0.00000				0		4	
108	Vitamin D3 (KU / kg)	2004	0.00000	0.00000				0		4	
109	Vitamin E (IU/kg)	0969	0.00000	0.00000				0		4	
109	Vitamin E (IU/kg)	0970	0.00000	0.00000				0		4	
109	Vitamin E (IU/kg)	2004	0.00000	0.00000				0		4	
112	Pyridoxine (µg / g)	0969	2.2600	0.16000	2.3050	0.06364	46.860	3	112.00	0	
112	Pyridoxine (µg / g)	0227	2.3500	0.42000	2.3050	0.06364	46.860	3	112.00	0	
112	Pyridoxine (µg / g)	2004	2,040.0	140.00	2.3050	0.06364	46.860	3	112.00	0	
113	Folic Acid (mg / kg (ppm))	0227	0.22300	0.02000	0.23100	0.00917	0.01267	3	113.01	0	
113	Folic Acid (mg / kg (ppm))	0969	0.22900	0.01600	0.23100	0.00917	0.01267	3	113.01	0	
113	Folic Acid (mg / kg (ppm))	2004	0.24100	0.00200	0.23100	0.00917	0.01267	3	113.01	0	
114	Biotin (mg / kg (ppm))	2004	0.06000	0.00200			0.00100	2	114.01	0	
114	Biotin (mg / kg (ppm))	0969	0.07400	0.00000			0.00100	2	114.01	0	
120	Alanine (%)	0171	0.37650	0.00700	0.39073	0.01171	0.01034	7	-1.21	120.00	0
120	Alanine (%)	0227	0.38000	0.00000	0.39073	0.01171	0.01034	7	-0.92	120.00	0
120	Alanine (%)	0160	0.38755	0.02970	0.39073	0.01171	0.01034	7	-0.27	120.99	0
120	Alanine (%)	0870	0.39055	0.00070	0.39073	0.01171	0.01034	7	-0.02	120.00	0
120	Alanine (%)	0969	0.39550	0.00300	0.39073	0.01171	0.01034	7	0.41	120.01	0
120	Alanine (%)	2004	0.40000	0.00200	0.39073	0.01171	0.01034	7	0.79	120.01	0
120	Alanine (%)	0970	0.40500	0.03000	0.39073	0.01171	0.01034	7	1.22	120.01	0
121	Arginine (%)	0870	0.43810	0.00060	0.50291	0.03928	0.01371	7	-1.65	121.00	0
121	Arginine (%)	0171	0.46900	0.01000	0.50291	0.03928	0.01371	7	-0.86	121.00	0
121	Arginine (%)	0227	0.48500	0.01000	0.50291	0.03928	0.01371	7	-0.46	121.00	0
121	Arginine (%)	0969	0.51000	0.00600	0.50291	0.03928	0.01371	7	0.18	121.01	0
121	Arginine (%)	0160	0.52150	0.04240	0.50291	0.03928	0.01371	7	0.47	121.99	0
121	Arginine (%)	2004	0.53050	0.00700	0.50291	0.03928	0.01371	7	0.70	121.01	0
121	Arginine (%)	0970	0.55000	0.02000	0.50291	0.03928	0.01371	7	1.20	121.01	0
122	Aspartic (%)	0870	0.58270	0.00140	0.60368	0.01630	0.00890	6	-1.29	122.00	0
122	Aspartic (%)	0969	0.59900	0.00600	0.60368	0.01630	0.00890	6	-0.29	122.01	0
122	Aspartic (%)	0970	0.60000	0.02000	0.60368	0.01630	0.00890	6	-0.23	122.01	0
122	Aspartic (%)	2004	0.60000	0.00200	0.60368	0.01630	0.00890	6	-0.23	122.01	0
122	Aspartic (%)	0227	0.62000	0.02000	0.60368	0.01630	0.00890	6	1.00	122.00	0
122	Aspartic (%)	0171	0.72200	0.00400	0.60368	0.01630	0.00890	6	7.26	122.00	0
122	Aspartic (%)	0160	0.65095	0.06550	0.60368	0.01630	0.00890	6	2.90	122.99	1
124	Cysteine/Cystine (%)	0160	0.21885	0.00970	0.23082	0.01140	0.01113	7	-1.05	124.99	0
124	Cysteine/Cystine (%)	0870	0.22220	0.00320	0.23082	0.01140	0.01113	7	-0.76	124.00	0

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			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
124	Cysteine/Cystine (%)	0227	0.22500	0.01000	0.23082	0.01140	0.01113	7	-0.51	124.00	0
124	Cysteine/Cystine (%)	0969	0.22750	0.03300	0.23082	0.01140	0.01113	7	-0.29	124.01	0
124	Cysteine/Cystine (%)	0970	0.23500	0.01000	0.23082	0.01140	0.01113	7	0.37	124.01	0
124	Cysteine/Cystine (%)	2004	0.24300	0.00800	0.23082	0.01140	0.01113	7	1.07	124.01	0
124	Cysteine/Cystine (%)	0171	0.25400	0.00400	0.23082	0.01140	0.01113	7	2.03	124.00	0
125	Glutamic (%)	0227	2.5550	0.01000	2.6448	0.03611	0.03551	7	-2.49	125.00	0
125	Glutamic (%)	0969	2.6100	0.02000	2.6448	0.03611	0.03551	7	-0.96	125.01	0
125	Glutamic (%)	2004	2.6300	0.04000	2.6448	0.03611	0.03551	7	-0.41	125.01	0
125	Glutamic (%)	0970	2.6500	0.10000	2.6448	0.03611	0.03551	7	0.14	125.01	0
125	Glutamic (%)	0160	2.6576	0.03240	2.6448	0.03611	0.03551	7	0.35	125.99	0
125	Glutamic (%)	0171	2.6660	0.04200	2.6448	0.03611	0.03551	7	0.59	125.00	0
125	Glutamic (%)	0870	2.7006	0.00420	2.6448	0.03611	0.03551	7	1.55	125.00	0
126	Glycine (%)	0171	0.34000	0.00600	0.39522	0.00702	0.00540	6	-7.87	126.00	0
126	Glycine (%)	0870	0.39260	0.00020	0.39522	0.00702	0.00540	6	-0.37	126.00	0
126	Glycine (%)	0160	0.39410	0.00520	0.39522	0.00702	0.00540	6	-0.16	126.99	0
126	Glycine (%)	0227	0.39500	0.01000	0.39522	0.00702	0.00540	6	-0.03	126.00	0
126	Glycine (%)	2004	0.40050	0.00100	0.39522	0.00702	0.00540	6	0.75	126.01	0
126	Glycine (%)	0970	0.40500	0.01000	0.39522	0.00702	0.00540	6	1.39	126.01	0
126	Glycine (%)	0969	0.33650	0.03700	0.39522	0.00702	0.00540	6	-8.37	126.01	1
127	Histidine (%)	0870	0.19645	0.00070	0.21768	0.01415	0.01117	7	-1.50	127.00	0
127	Histidine (%)	0969	0.20500	0.01800	0.21768	0.01415	0.01117	7	-0.90	127.01	0
127	Histidine (%)	0970	0.20500	0.01000	0.21768	0.01415	0.01117	7	-0.90	127.01	0
127	Histidine (%)	2004	0.22300	0.00200	0.21768	0.01415	0.01117	7	0.38	127.01	0
127	Histidine (%)	0227	0.22500	0.01000	0.21768	0.01415	0.01117	7	0.52	127.00	0
127	Histidine (%)	0160	0.23015	0.03650	0.21768	0.01415	0.01117	7	0.88	127.99	0
127	Histidine (%)	0171	0.23150	0.00100	0.21768	0.01415	0.01117	7	0.98	127.00	0
128	Isoleucine (%)	0870	0.33355	0.00530	0.38020	0.01321	0.01127	7	-3.53	128.00	0
128	Isoleucine (%)	0171	0.37200	0.00800	0.38020	0.01321	0.01127	7	-0.62	128.00	0
128	Isoleucine (%)	0227	0.37500	0.01000	0.38020	0.01321	0.01127	7	-0.39	128.00	0
128	Isoleucine (%)	0970	0.38000	0.02000	0.38020	0.01321	0.01127	7	-0.02	128.01	0
128	Isoleucine (%)	2004	0.38700	0.00200	0.38020	0.01321	0.01127	7	0.51	128.01	0
128	Isoleucine (%)	0969	0.38800	0.00200	0.38020	0.01321	0.01127	7	0.59	128.01	0
128	Isoleucine (%)	0160	0.39720	0.03160	0.38020	0.01321	0.01127	7	1.29	128.99	0
129	Leucine (%)	0870	0.68345	0.00250	0.72199	0.03144	0.00858	6	-1.23	129.00	0
129	Leucine (%)	0227	0.69500	0.01000	0.72199	0.03144	0.00858	6	-0.86	129.00	0
129	Leucine (%)	0969	0.72050	0.00500	0.72199	0.03144	0.00858	6	-0.05	129.01	0
129	Leucine (%)	0171	0.73600	0.00200	0.72199	0.03144	0.00858	6	0.45	129.00	0
129	Leucine (%)	0970	0.74500	0.03000	0.72199	0.03144	0.00858	6	0.73	129.01	0
129	Leucine (%)	2004	0.75200	0.00200	0.72199	0.03144	0.00858	6	0.95	129.01	0
129	Leucine (%)	0160	0.77800	0.06520	0.72199	0.03144	0.00858	6	1.78	129.99	1
130	L-Lysine (%)	0969	0.25950	0.00500	0.33573	0.02205	0.01954	8	-3.46	130.01	0
130	L-Lysine (%)	0870	0.31680	0.00040	0.33573	0.02205	0.01954	8	-0.86	130.00	0

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130	L-Lysine (%)	0227	0.32500	0.05000	0.33573	0.02205	0.01954	8	-0.49	130.00	0
130	L-Lysine (%)	0970	0.32500	0.01000	0.33573	0.02205	0.01954	8	-0.49	130.01	0
130	L-Lysine (%)	2004	0.34800	0.00200	0.33573	0.02205	0.01954	8	0.56	130.01	0
130	L-Lysine (%)	0027	0.34900	0.05000	0.33573	0.02205	0.01954	8	0.60	130.05	0
130	L-Lysine (%)	0160	0.34905	0.03390	0.33573	0.02205	0.01954	8	0.60	130.99	0
130	L-Lysine (%)	0171	0.48250	0.00500	0.33573	0.02205	0.01954	8	6.66	130.00	0
131	Methionine (%)	0160	0.11070	0.01600	0.17225	0.00737	0.00739	7	-8.35	131.99	0
131	Methionine (%)	0870	0.14985	0.00770	0.17225	0.00737	0.00739	7	-3.04	131.00	0
131	Methionine (%)	0171	0.17000	0.00000	0.17225	0.00737	0.00739	7	-0.31	131.00	0
131	Methionine (%)	0227	0.17500	0.01000	0.17225	0.00737	0.00739	7	0.37	131.00	0
131	Methionine (%)	0970	0.17500	0.01000	0.17225	0.00737	0.00739	7	0.37	131.01	0
131	Methionine (%)	0969	0.17800	0.00200	0.17225	0.00737	0.00739	7	0.78	131.01	0
131	Methionine (%)	2004	0.18000	0.00600	0.17225	0.00737	0.00739	7	1.05	131.01	0
131	Methionine (%)	0027	0.14800	0.04800	0.17225	0.00737	0.00739	7	-3.29	131.05	1
132	Phenylalanine (%)	0870	0.52635	0.00090	0.57294	0.02396	0.01234	7	-1.94	132.00	0
132	Phenylalanine (%)	0227	0.56000	0.02000	0.57294	0.02396	0.01234	7	-0.54	132.00	0
132	Phenylalanine (%)	2004	0.56650	0.00100	0.57294	0.02396	0.01234	7	-0.27	132.01	0
132	Phenylalanine (%)	0969	0.56950	0.00700	0.57294	0.02396	0.01234	7	-0.14	132.01	0
132	Phenylalanine (%)	0970	0.59000	0.02000	0.57294	0.02396	0.01234	7	0.71	132.01	0
132	Phenylalanine (%)	0171	0.59200	0.00000	0.57294	0.02396	0.01234	7	0.80	132.00	0
132	Phenylalanine (%)	0160	0.59555	0.03750	0.57294	0.02396	0.01234	7	0.94	132.99	0
133	Proline (%)	0870	1.1673	0.01040	1.2337	0.03599	0.05964	7	-1.85	133.00	0
133	Proline (%)	0227	1.2100	0.06000	1.2337	0.03599	0.05964	7	-0.66	133.00	0
133	Proline (%)	2004	1.2150	0.01000	1.2337	0.03599	0.05964	7	-0.52	133.04	0
133	Proline (%)	0969	1.2350	0.13000	1.2337	0.03599	0.05964	7	0.04	133.99	0
133	Proline (%)	0970	1.2500	0.10000	1.2337	0.03599	0.05964	7	0.45	133.99	0
133	Proline (%)	0171	1.2560	0.03200	1.2337	0.03599	0.05964	7	0.62	133.00	0
133	Proline (%)	0160	1.2948	0.07510	1.2337	0.03599	0.05964	7	1.70	133.99	0
134	Serine (%)	2004	0.42000	0.01000	0.44840	0.01252	0.01514	7	-2.27	134.01	0
134	Serine (%)	0171	0.42950	0.00100	0.44840	0.01252	0.01514	7	-1.51	134.00	0
134	Serine (%)	0227	0.44500	0.01000	0.44840	0.01252	0.01514	7	-0.27	134.00	0
134	Serine (%)	0969	0.45200	0.01600	0.44840	0.01252	0.01514	7	0.29	134.01	0
134	Serine (%)	0870	0.45275	0.00330	0.44840	0.01252	0.01514	7	0.35	134.00	0
134	Serine (%)	0970	0.46000	0.02000	0.44840	0.01252	0.01514	7	0.93	134.01	0
134	Serine (%)	0160	0.46065	0.04570	0.44840	0.01252	0.01514	7	0.98	134.99	0
135	Threonine (%)	0870	0.34060	0.00060	0.35288	0.01014	0.01324	8	-1.21	135.00	0
135	Threonine (%)	0027	0.34300	0.02000	0.35288	0.01014	0.01324	8	-0.97	135.05	0
135	Threonine (%)	0969	0.34850	0.00100	0.35288	0.01014	0.01324	8	-0.43	135.01	0
135	Threonine (%)	2004	0.35150	0.00300	0.35288	0.01014	0.01324	8	-0.14	135.01	0
135	Threonine (%)	0171	0.35200	0.00200	0.35288	0.01014	0.01324	8	-0.09	135.00	0
135	Threonine (%)	0970	0.36000	0.02000	0.35288	0.01014	0.01324	8	0.70	135.01	0
135	Threonine (%)	0160	0.36245	0.04930	0.35288	0.01014	0.01324	8	0.94	135.99	0

Method Group	Analyte Group (Units)	Lab Code	Lab Data		Method Values				AAFCO CS Z Score	Your Method	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
135	Threonine (%)	0227	0.36500	0.01000	0.35288	0.01014	0.01324	8	1.20	135.00	0
136	Tryptophan (%)	0870	0.12365	0.00270	0.13763	0.00962	0.00554	5	-1.45	136.00	0
136	Tryptophan (%)	2004	0.13150	0.00500	0.13763	0.00962	0.00554	5	-0.64	136.99	0
136	Tryptophan (%)	0969	0.14300	0.00000	0.13763	0.00962	0.00554	5	0.56	136.99	0
136	Tryptophan (%)	0227	0.14500	0.01000	0.13763	0.00962	0.00554	5	0.77	136.00	0
136	Tryptophan (%)	0970	0.14500	0.01000	0.13763	0.00962	0.00554	5	0.77	136.99	0
137	Tyrosine (%)	0870	0.16415	0.00790	0.33392	0.06722	0.01440	7	-2.53	137.00	0
137	Tyrosine (%)	0171	0.26250	0.00300	0.33392	0.06722	0.01440	7	-1.06	137.00	0
137	Tyrosine (%)	0227	0.30000	0.00000	0.33392	0.06722	0.01440	7	-0.50	137.00	0
137	Tyrosine (%)	2004	0.35600	0.02200	0.33392	0.06722	0.01440	7	0.33	137.01	0
137	Tyrosine (%)	0970	0.37500	0.01000	0.33392	0.06722	0.01440	7	0.61	137.01	0
137	Tyrosine (%)	0969	0.38550	0.01500	0.33392	0.06722	0.01440	7	0.77	137.01	0
137	Tyrosine (%)	0160	0.39975	0.04290	0.33392	0.06722	0.01440	7	0.98	137.99	0
138	Valine (%)	0870	0.48025	0.00910	0.51814	0.01198	0.01204	7	-3.16	138.00	0
138	Valine (%)	0970	0.51000	0.02000	0.51814	0.01198	0.01204	7	-0.68	138.01	0
138	Valine (%)	0227	0.51500	0.01000	0.51814	0.01198	0.01204	7	-0.26	138.00	0
138	Valine (%)	2004	0.51650	0.00100	0.51814	0.01198	0.01204	7	-0.14	138.01	0
138	Valine (%)	0969	0.52200	0.00800	0.51814	0.01198	0.01204	7	0.32	138.01	0
138	Valine (%)	0171	0.53050	0.00500	0.51814	0.01198	0.01204	7	1.03	138.00	0
138	Valine (%)	0160	0.54770	0.03120	0.51814	0.01198	0.01204	7	2.47	138.99	0
139	Taurine (%)	0970	0.01100	0.00000				1			0
139	Taurine (%)	0969	0.00000	0.00000				1			4
139	Taurine (%)	2004	0.00000	0.00000				1			4
160	Fructose (%)	2004	0.07930	0.00000				1			0
160	Fructose (%)	0969	0.00000	0.00000				1			4
160	Fructose (%)	0970	0.00000	0.00000				1			4
161	Galactose (%)	2004	0.02295	0.00350				1			0
161	Galactose (%)	0969	0.00000	0.00000				1			4
161	Galactose (%)	0970	0.00000	0.00000				1			4
162	Glucose (%)	2004	0.10700	0.01200				1			0
162	Glucose (%)	0969	0.00000	0.00000				1			4
162	Glucose (%)	0970	0.00000	0.00000				1			4
163	Lactose (%)	0969	0.00000	0.00000				0			4
163	Lactose (%)	0970	0.00000	0.00000				0			4
163	Lactose (%)	2004	0.00000	0.00000				0			4
164	Maltose (%)	0969	0.10000	0.00000	0.12000	0.02828	0.03767	3		164.99	0
164	Maltose (%)	0970	0.14000	0.00000	0.12000	0.02828	0.03767	3		164.99	0
164	Maltose (%)	2004	0.91250	0.11300	0.12000	0.02828	0.03767	3		164.99	0
165	Sucrose (%)	2004	0.50300	0.00400	0.55150	0.06859	0.01467	3		165.99	0
165	Sucrose (%)	0970	0.57000	0.04000	0.55150	0.06859	0.01467	3		165.99	0
165	Sucrose (%)	0969	0.60000	0.00000	0.55150	0.06859	0.01467	3		165.99	0
400	Water activity (Units)	2083	0.55250	0.00300			0.00300	1			0

Method Group	Analyte Group (Units)	Lab Code	Lab Data		Method Values				AAFCO CS Z Score	Your Method	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
516	Arsenic, total (mg / kg (ppm))	0964	0.07165	0.03190				1			0
516	Arsenic, total (mg / kg (ppm))	0555	0.00000	0.00000				1			4
516	Arsenic, total (mg / kg (ppm))	0555	0.00000	0.00000				1			4
518	Cadmium (mg / kg (ppm))	0964	0.01650	0.00020				1			0
518	Cadmium (mg / kg (ppm))	0555	0.00000	0.00000				1			4
518	Cadmium (mg / kg (ppm))	0555	0.00000	0.00000				1			4
520	Chromium (mg / kg (ppm))	0964	0.13735	0.01150			0.03075	2		520.43	0
520	Chromium (mg / kg (ppm))	0555	0.20500	0.05000			0.03075	2		520.52	0
526	Lead (mg / kg (ppm))	0553	0.03235	0.00490	0.05295	0.01834	0.02183	3		526.53	0
526	Lead (mg / kg (ppm))	0964	0.05900	0.02960	0.05295	0.01834	0.02183	3		526.43	0
526	Lead (mg / kg (ppm))	0555	0.06750	0.03100	0.05295	0.01834	0.02183	3		526.52	0
529	Mercury (µg / kg (ppb))	0555	0.00000	0.00000			0.00000	0			4
539	Nickel (mg / kg (ppm))	0964	0.06380	0.00060			0.01530	2		539.43	0
539	Nickel (mg / kg (ppm))	0555	0.15500	0.03000			0.01530	2		539.52	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, 8 = Analyst data exempt and 4 = zeros submitted as values. Robust statistics not used if < 6 labs reporting, in this case the Z Scores may be included for information only (Grey, No Action!). Flag 9 indicates no statistics calculated for this dataset. To review the problem please see all submitted data for this test.