Feed Check Sample No. - 200725 Beef Cattle Grower, Medicated
Association of American Feed Control Officials

Method	AOAC 18th	Method Code	- Pass 1 Results for 203 Labs - No. of Labs	Grand Avg.	Std. Dev.	Average Range of Dups	- Pass 2 Results for 203 Labs - No. of Labs	Grand Avg.	Std. Dev.	Average Range of Dups
NPN, Urea + Am, Urease Method.....	941.04	000.01	4	16.2925	6.01973	0.10500	3	15.5517	6.93425	0.01667
Urea, as Protein Colorimetric	967.07	000.02	2	13.9250	8.40055	0.05000	2	13.9250	8.40055	0.05000
Urea, Misc		000.99	2	13.1650	7.69837	0.24000	2	13.1650	7.69837	0.24000
Method Group 000.XX PCT			8	14.9188	6.70578	0.12500	7	14.4050	7.04318	0.09000
Loss on Drying, Vac 95 deg 5 hr	934.01	001.00	8	7.54000	1.40636	0.19500	8	7.65188	1.61898	0.10375
Loss on Drying, ISO 6496		001.03	3	7.08167	0.67431	0.09000	3	7.08167	0.67431	0.09000
Loss on Drying, LECO		001.05	1	5.98500	0.02121	0.03000	1	5.98500	0.02121	0.03000
Loss on Drying, 104 deg 3 hr, in malt .	935.29	001.07	46	6.98808	0.80513	0.18454	44	6.95081	0.79486	0.15043
Loss on Drying, 102 deg 16 hr, in meat	950.46	001.08	1	5.54500	0.04950	0.07000	1	5.54500	0.04950	0.07000
Loss on Drying, Misc		001.99	14	7.43554	1.19389	0.25407	15	7.64250	1.39567	0.24780
Method Group 001.XX PCT			73	7.10471	0.99704	0.19145	70	7.04440	0.94572	0.16237
Protein, Crude	954.01	002.00	4	41.6650	0.58984	0.17000	3	41.9600	0.17584	0.02000
Protein, Auto Kjel-Foss	976.05	002.01	10	41.5689	0.56979	0.22635	9	41.5766	0.58602	0.16261
Protein, Semiauto Autoanalyzer	976.06	002.02	7	41.8909	1.35645	0.16700	8	42.2296	1.56595	0.17112
Protein, Copper Cat	984.13	002.04	5	41.8390	0.89430	0.17400	5	41.8390	0.89430	0.17400
Protein, Copper, Boric Acid		002.05	21	41.6154	0.49566	0.09253	19	41.6564	0.46704	0.05869
Protein, Combustion Nitrogen Analyzer	990.03	002.06	115	42.5057	0.34820	0.19700	107	42.5065	0.33300	0.15260
Protein, Cu/Ti	988.05	002.08	7	41.6465	0.49220	0.07243	7	41.6465	0.49220	0.07243
Protein, Block dig/distillation		002.10	8	41.5950	0.80781	0.14750	7	41.6157	0.86002	0.09714
Protein, NIR		002.11	9	41.4526	0.70945	0.17589	9	41.4526	0.70945	0.17589
Protein, Misc		002.99	5	41.7700	0.82043	0.20800	5	41.7700	0.82043	0.20800
Method Group 002.XX PCT			191	42.1627	0.67844	0.17744	178	42.1737	0.66758	0.13942
Fat, Eth Ext, Direct	920.39	003.00	24	2.71106	0.66930	0.15979	23	2.74133	0.74685	0.10109
Fat, Pet Ether		003.06	28	2.24429	0.37374	0.08071	26	2.21288	0.36605	0.06346
Fat, Soxtec, Eth Ext		003.09	31	2.64378	0.47750	0.12063	29	2.65249	0.48647	0.09688
Fat, Soxtec, Pet Ether		003.10	33	2.03669	0.16655	0.05318	31	2.02373	0.15704	0.04210
Fat, NIR		003.11	13	1.38731	0.54956	0.03615	12	1.42792	0.55231	0.02250
Fat, Hexane Ext.		003.12	6	2.35917	0.27891	0.19500	5	2.35400	0.26163	0.09600
Fat, Soxtec, Hexane Ext.		003.13	3	2.02967	0.12349	0.02600	3	2.02967	0.12349	0.02600
Fat, Ankom		003.14	12	2.31688	0.25282	0.15542	10	2.31625	0.22707	0.07450
Fat, Misc		003.99	9	2.54278	0.51061	0.04778	9	2.54278	0.51061	0.04778
Method Group 003.XX PCT			159	2.30214	0.56787	0.09813	147	2.29139	0.55992	0.06852
Fiber, Crude Asbestos Free	962.09	004.00	29	7.14722	0.54555	0.13052	27	7.13869	0.55857	0.09537
Fiber, Sing Filt		004.01	2	8.57750	1.26395	1.37500	2	8.57750	1.26395	1.37500
Fiber, Fritted Glass	978.10	004.03	4	7.77000	0.56031	0.44000	4	7.77000	0.56031	0.44000
Fiber, Fibertec		004.06	33	7.49336	0.56764	0.13632	30	7.53503	0.56384	0.09395
Fiber, ANKOM		004.07	40	7.91750	1.32780	0.21100	38	7.93092	1.35157	0.15605
Fiber, NIR		004.11	10	10.5855	0.52665	0.07300	9	10.5967	0.55393	0.05333
Fiber, Misc		004.99	6	7.13667	0.61546	0.11667	6	7.13667	0.61546	0.11667

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Method Group 004.XX PCT			124	7.80775	1.25416	0.18277	116	7.81548	1.25914	0.14667
Ash,	942.05	005.00	132	21.1676	0.93277	0.22481	122	21.1729	0.90127	0.14136
Ash, LECO		005.02	1	21.9500	0.07071	0.10000	1	21.9500	0.07071	0.10000
Ash, NIR		005.11	4	23.4700	0.46577	0.47500	5	23.7360	0.69553	0.40000
Ash, Misc		005.99	12	21.1517	0.88178	0.18167	11	21.1064	0.89805	0.11636
Method Group 005.XX PCT			149	21.2333	0.98914	0.22722	138	21.2398	0.96884	0.14874
Fiber, Acid Detergent	973.18	008.02	14	12.2968	1.08455	0.42643	13	12.3923	1.04133	0.33385
Fiber, Acid Detergent-Hach		008.05	1	13.0500	0.21213	0.30000	1	13.0500	0.21213	0.30000
Fiber, Acid Detergent by ANKOM		008.08	19	10.6966	1.41579	0.46789	18	10.6469	1.33951	0.24944
Fiber, Acid Detergent Misc		008.99	5	11.1990	1.99167	0.41000	5	11.1990	1.99167	0.41000
Method Group 008.XX PCT			39	11.3958	1.56603	0.44128	37	11.3997	1.55942	0.30216
Fiber, Neutral Det-No ENZ Pretreat		009.04	1	26.6700	0.60811	0.86000	1	26.6700	0.60811	0.86000
Fiber, Neutral Det-ENZ Pretreat		009.07	15	22.2663	1.58055	0.37267	14	22.1889	1.57807	0.23357
Fiber, Neutral Detergent by ANKOM		009.09	16	21.8491	1.47280	0.66062	14	21.6568	1.25207	0.30357
Fiber, Neutral Det Misc		009.99	2	23.0825	1.65002	0.33500	2	23.0825	1.65002	0.33500
Method Group 009.XX PCT			34	22.2475	1.70698	0.52029	31	22.1508	1.66593	0.29194
Moisture, Karl-Fischer	966.20	010.03	1	4.11000	0.26870	0.38000	1	4.11000	0.26870	0.38000
Moisture, NIR		010.11	9	5.35500	0.47053	0.15222	9	5.35500	0.47053	0.15222
Moisture, Misc		010.99	14	7.62139	1.98382	0.25464	13	7.58612	2.04282	0.14192
Method Group 010.XX PCT			24	6.62519	1.95468	0.22146	23	6.56193	1.96458	0.15630
Loss on Drying, 135 deg 2 hr	930.15	011.01	70	10.1918	0.83705	0.14954	65	10.1895	0.85434	0.11105
Loss on Drying, High Temp Methods, Misc		011.99	2	8.63500	0.42626	0.17000	2	8.63500	0.42626	0.17000
Method Group 011.XX PCT			72	10.1485	0.86647	0.15011	67	10.1431	0.88462	0.11281
Starch, Polarimetric (Ewers)		012.00	9	7.35833	0.96519	0.17889	9	7.35833	0.96519	0.17889
Starch, Megazyme		012.01	2	6.70350	0.27893	0.35900	2	6.70350	0.27893	0.35900
Starch, Colorimetric (GOP)		012.02	1	7.74000	0.01414	0.02000	1	7.74000	0.01414	0.02000
Starch, Enzymatic		012.03	3	6.98167	0.84393	0.27667	3	6.98167	0.84393	0.27667
Starch, YSI Analyzer		012.04	6	6.41583	1.03851	0.26833	5	6.30900	1.07800	0.08200
Method Group 012.XX PCT			21	6.99105	0.97963	0.22800	20	6.99310	0.99516	0.17940
Fat, Mojonnier, Bak Ext	954.02	013.02	19	3.30842	0.41964	0.13579	18	3.29583	0.42201	0.11056
Fat, Soxtec-Acid Hydrolysis		013.10	17	3.04606	0.46242	0.09694	16	3.03394	0.47265	0.08300
Fat, Ankon-Acid Hydrolysis		013.13	1	4.25500	0.07778	0.11000	1	4.25500	0.07778	0.11000
Fat, Pretreat or extended ext, misc		013.99	1	3.30000	0.00000	0.00000	1	3.30000	0.00000	0.00000
Method Group 013.XX PCT			38	3.21574	0.47690	0.11416	36	3.20619	0.48384	0.09522
Aluminum, ICP		015.00	11	1368.15	614.797	84.5000	11	1368.15	614.797	84.5000
Method Group 015.XX PPM			11	1368.15	614.797	84.5000	11	1368.15	614.797	84.5000
Arsenic, AA, Hydride		016.00	2	0.41425	0.29850	0.15050	2	0.41425	0.29850	0.15050
Arsenic, ICP		016.02	1	0.44000	0.05657	0.08000	1	0.44000	0.05657	0.08000
Method Group 016.XX PPM			3	0.42283	0.23298	0.12700	3	0.42283	0.23298	0.12700

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Boron, ICP		017.00	6	9.00250	2.13812	0.35167	6	9.00250	2.13812	0.35167
Boron, Misc		017.99	1	17.3500	0.21213	0.30000	1	17.3500	0.21213	0.30000
Method Group 017.XX PPM			7	10.1950	3.61391	0.34429	7	10.1950	3.61391	0.34429
Cadmium, ICP		018.02	4	0.28388	0.09110	0.06250	4	0.28388	0.09110	0.06250
Method Group 018.XX PPM			4	0.28388	0.09110	0.06250	4	0.28388	0.09110	0.06250
Calcium, Ox-Mn04 Vol	927.02	019.00	16	5.27307	0.19706	0.04589	15	5.27560	0.20123	0.03362
Calcium, At Abs Spect	968.08	019.01	55	5.36831	0.27102	0.12196	49	5.40126	0.22912	0.07783
Calcium, Semiauto (Autoanalyzer)		019.03	4	5.59113	0.32154	0.05725	4	5.59113	0.32154	0.05725
Calcium, ICP, Dry Ash		019.05	39	5.25614	0.26193	0.06390	36	5.23086	0.22646	0.05275
Calcium, EDTA		019.08	5	5.40244	0.14847	0.03288	5	5.40244	0.14847	0.03288
Calcium, ICP, Wet Ash		019.09	27	5.39117	0.13821	0.07241	26	5.38593	0.13273	0.06025
Calcium, Misc		019.99	7	5.49179	0.29939	0.10643	7	5.49179	0.29939	0.10643
Method Group 019.XX PCT			153	5.34638	0.25199	0.08515	142	5.35183	0.23160	0.06283
Chromium, AA		020.00	2	11.6000	1.73205	0.00000	2	11.6000	1.73205	0.00000
Chromium, ICP		020.01	8	12.1417	1.62102	0.92113	8	12.1417	1.62102	0.92113
Chromium, Misc		020.99	2	11.1375	4.16438	1.66500	2	11.1375	4.16438	1.66500
Method Group 020.XX PPM			12	11.8840	2.12701	0.89158	12	11.8840	2.12701	0.89158
Cobalt, AA	968.08	021.01	4	9.87000	2.75664	0.30000	4	9.87000	2.75664	0.30000
Cobalt, ICP		021.02	14	10.1916	1.42447	0.51079	14	10.1916	1.42447	0.51079
Cobalt, Misc.		021.99	4	11.4555	1.08342	1.07408	4	11.4555	1.08342	1.07408
Method Group 021.XX PPM			22	10.3629	1.72877	0.57488	22	10.3629	1.72877	0.57488
Copper, AA	968.08	022.01	34	181.170	12.0346	3.24012	33	180.872	11.9888	2.79285
Copper, ICP, Dry Ash	968.08	022.03	34	178.039	12.9073	6.65797	31	178.060	12.5505	4.38935
Copper, ICP, Wet Ash	968.08	022.05	25	188.374	6.70431	4.61440	25	188.374	6.70431	4.61440
Copper, Misc		022.99	4	193.745	8.06555	5.12480	4	193.745	8.06555	5.12480
Method Group 022.XX PPM			97	182.447	11.9873	4.87004	93	182.505	11.7962	3.91498
Fluorine, Ion Sel Elect	975.08	023.01	1	0.00300	0.00000	0.00000	1	0.00300	0.00000	0.00000
Iron, AA	968.08	025.01	28	1133.84	138.340	29.4614	28	1118.86	157.250	26.6106
Iron, ICP, Dry Ash	968.08	025.03	32	1084.97	122.939	37.5939	30	1078.30	121.752	29.9002
Iron, ICP, Wet Ash	968.08	025.05	24	863.770	153.908	38.3825	23	862.660	156.598	34.4078
Iron, Misc		025.99	2	1005.00	176.255	37.0000	2	1005.00	176.255	37.0000
Method Group 025.XX PPM			86	1037.29	176.519	35.1524	82	1034.12	177.261	30.3330
Lead,		026.00	3	0.93033	0.06370	0.03000	3	0.93033	0.06370	0.03000
Lead, Misc		026.99	2	0.22225	0.25754	0.02650	2	0.22225	0.25754	0.02650
Method Group 026.XX PPM			5	0.64710	0.39757	0.02860	5	0.64710	0.39757	0.02860
Magnesium, AA	968.08	027.01	33	0.27294	0.01727	0.00549	31	0.27197	0.01703	0.00444
Magnesium, ICP, Dry Ash	968.08	027.03	40	0.26737	0.01735	0.00666	39	0.26673	0.01697	0.00615
Magnesium, ICP, Wet Ash	968.08	027.05	25	0.25995	0.01386	0.00296	23	0.26277	0.01603	0.00191
Magnesium, Misc.		027.99	4	0.26911	0.01135	0.00758	4	0.26911	0.01135	0.00758

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Method Group 027.XX PCT			102	0.26742	0.01695	0.00541	96	0.26723	0.01658	0.00471
Manganese, AA	968.08	028.01	32	402.343	27.8963	7.57503	29	404.104	27.7880	5.41590
Manganese, ICP, Dry Ash	968.08	028.03	33	386.230	20.6138	11.8259	33	386.230	20.6138	11.8259
Manganese, ICP, Wet Ash	968.08	028.05	26	414.420	18.9506	7.55538	26	414.420	18.9506	7.55538
Manganese, Misc.		028.99	3	405.705	28.1267	29.3892	3	405.705	28.1267	29.3892
Method Group 028.XX PPM			94	400.134	25.6248	9.75811	91	400.622	25.5693	9.14201
Mercury,		029.00	1	0.00350	0.00212	0.00300	1	0.00350	0.00212	0.00300
Nitrate, Color	968.07	030.00	1	161.500	6.36396	9.00000	1	161.500	6.36396	9.00000
Phosphorus, Vol	964.06	031.00	1	1.06310	0.01131	0.01600	1	1.06310	0.01131	0.01600
Phosphorus, Photometric	965.17	031.01	62	1.13269	0.06179	0.01950	59	1.13180	0.05953	0.01616
Phosphorus, GQMP (2.028)	964.06	031.02	4	1.09488	0.06697	0.03025	4	1.09488	0.06697	0.03025
Phosphorus, Autoanalyzer		031.03	6	1.10500	0.03418	0.02533	5	1.11000	0.02657	0.01040
Phosphorus, ICP		031.05	70	1.12295	0.06175	0.02002	65	1.12450	0.06182	0.01551
Phosphorus, Hach Method		031.06	2	1.06250	0.02630	0.00500	2	1.06250	0.02630	0.00500
Phosphorus, Misc		031.99	6	1.15533	0.03776	0.02233	6	1.15533	0.03776	0.02233
Method Group 031.XX PCT			151	1.12558	0.06089	0.02015	142	1.12619	0.05980	0.01616
Potassium, AA	975.03	032.01	34	1.19854	0.05548	0.02914	31	1.19759	0.04547	0.02261
Potassium, Flame Emission	956.01	032.02	8	1.19525	0.07606	0.04875	8	1.19525	0.07606	0.04875
Potassium, ICP		032.05	63	1.23565	0.05807	0.02370	62	1.23541	0.05816	0.02247
Potassium, Misc		032.99	4	1.25720	0.05476	0.02885	4	1.25720	0.05476	0.02885
Method Group 032.XX PCT			109	1.22190	0.06139	0.02742	105	1.22202	0.05913	0.02475
Salt, Sol Cl	943.01	033.00	21	3.90117	0.19744	0.06328	20	3.89675	0.19973	0.05500
Salt, Poten Cl	969.10	033.01	38	3.98530	0.06339	0.02718	35	3.98947	0.05836	0.02151
Salt, Quantab		033.03	5	4.03250	0.26017	0.12140	6	4.12458	0.31938	0.11617
Salt, Ion Sel Electrode		033.05	1	3.88500	0.07778	0.11000	1	3.88500	0.07778	0.11000
Salt, Misc		033.99	7	4.00428	0.21504	0.07370	6	3.99741	0.22550	0.04015
Method Group 033.XX PCT			72	3.96449	0.15416	0.04993	67	3.96415	0.15667	0.04195
Selenium, Fluor	969.06	034.01	3	1.98667	0.44103	0.22667	3	1.98667	0.44103	0.22667
Selenium, AA, Hydride		034.04	9	1.95278	0.79090	0.05444	9	1.95278	0.79090	0.05444
Selenium, ICP		034.05	6	2.21566	0.79186	0.29742	5	2.08379	0.73052	0.06690
Selenium, Misc		034.99	3	1.48833	0.74441	0.09733	3	1.48833	0.74441	0.09733
Method Group 034.XX PPM			21	1.96638	0.75542	0.15460	20	1.92095	0.72699	0.08983
Sodium, AA		035.00	27	1.43305	0.10671	0.02427	25	1.43727	0.10843	0.01933
Sodium, Ion Sel Electrode		035.01	4	1.42375	0.07422	0.02150	4	1.42375	0.07422	0.02150
Sodium, ICP		035.03	54	1.43439	0.06954	0.02380	51	1.43904	0.06624	0.01759
Sodium, Flame Emission	956.01	035.05	6	1.41717	0.08350	0.02767	5	1.44960	0.02893	0.01120
Sodium, Misc		035.99	3	1.52125	0.15212	0.02690	3	1.52125	0.15212	0.02690
Method Group 035.XX PCT			94	1.43522	0.08658	0.02418	88	1.44124	0.08363	0.01822
Sulfur, (Gravimetric)		036.00	2	0.60500	0.03697	0.04000	2	0.60500	0.03697	0.04000

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Sulfur, ICP		036.03	19	0.58200	0.05526	0.01232	18	0.58367	0.05586	0.00960
Sulfur, LECO		036.04	3	0.53667	0.02160	0.00667	3	0.53667	0.02160	0.00667
Method Group 036.XX PCT			24	0.57825	0.05324	0.01392	23	0.57939	0.05373	0.01186
Zinc, AA	968.08	037.01	29	687.241	44.6897	14.4691	27	680.833	37.1359	8.76311
Zinc, ICP, Dry Ash	968.08	037.03	32	645.127	43.3818	9.85622	30	647.749	41.1114	8.06763
Zinc, ICP, Wet Ash	968.08	037.05	26	691.451	41.2584	7.30038	26	691.451	41.2584	7.30038
Zinc, Misc		037.99	4	715.463	44.5009	13.2260	4	715.463	44.5009	13.2260
Method Group 037.XX PPM			91	674.875	48.5168	10.7441	87	674.190	44.7819	8.29134
Molybdenum, ICP		038.00	8	1.92528	0.33030	0.20906	7	1.89429	0.27385	0.08857
Molybdenum, Misc		038.99	2	2.67250	0.10813	0.10500	2	2.67250	0.10813	0.10500
Method Group 038.XX PPM			10	2.07473	0.42663	0.18825	9	2.06722	0.41261	0.09222
Nickel, AA		039.01	1	17.7500	0.07071	0.10000	1	17.7500	0.07071	0.10000
Nickel, ICP		039.02	6	19.0428	2.82940	1.60733	6	19.0428	2.82940	1.60733
Method Group 039.XX PPM			7	18.8581	2.64475	1.39200	7	18.8581	2.64475	1.39200
Barium, ICP		040.00	1	8.35500	1.01116	1.43000	1	8.35500	1.01116	1.43000
Vanadium, ICP		041.00	4	3.92056	0.65242	0.30287	4	3.92056	0.65242	0.30287
Method Group 041.XX PPM			4	3.92056	0.65242	0.30287	4	3.92056	0.65242	0.30287
Monensin, Plate	972.56	065.00	4	270.288	14.5504	12.9250	4	270.288	14.5504	12.9250
Monensin, Turbid	976.37	065.01	3	271.183	8.83616	2.96667	3	271.183	8.83616	2.96667
Monensin, HPLC	997.04	065.03	7	301.068	47.0781	12.0214	7	301.068	47.0781	12.0214
Monensin, Misc		065.99	2	252.500	20.0416	10.0000	2	252.500	20.0416	10.0000
Method Group 065.XX G/TON			16	281.698	36.9209	10.2969	16	281.698	36.9209	10.2969
Pantothenic Acid, Titrimetric	945.74	103.00	1	6.30000	0.14142	0.20000	1	6.30000	0.14142	0.20000
Riboflavin, Fluorometric	970.65	104.00	1	5.83000	0.22627	0.32000	1	5.83000	0.22627	0.32000
Vitamin A, Color	974.29	106.00	2	32.6025	2.70496	3.68500	2	32.6025	2.70496	3.68500
Vitamin A, HPLC		106.02	24	31.6837	7.39888	2.25046	24	31.6837	7.39888	2.25046
Vitamin A, Misc		106.99	1	25.0000	0.70711	1.00000	1	25.0000	0.70711	1.00000
Method Group 106.XX KU/LB			27	31.5042	7.11943	2.31041	27	31.5042	7.11943	2.31041
Vitamin D3, HPLC		108.02	3	3.92000	0.23478	0.22000	3	3.92000	0.23478	0.22000
Method Group 108.XX KU/LB			3	3.92000	0.23478	0.22000	3	3.92000	0.23478	0.22000
Vitamin E, HPLC		109.02	7	5.26450	2.94125	0.16643	6	5.48608	3.13577	0.09583
Method Group 109.XX MG/KG			7	5.26450	2.94125	0.16643	6	5.48608	3.13577	0.09583
Alanine, Post-col Ninhydrin Der	994.12	120.00	8	1.30803	0.02048	0.01683	7	1.30774	0.01857	0.01066
Alanine, Pre-col AQC Der		120.05	1	1.33500	0.07778	0.11000	1	1.33500	0.07778	0.11000
Method Group 120.XX PCT			9	1.31102	0.02832	0.02718	8	1.31115	0.02809	0.02308
Arginine, Post-col Ninhydrin Der	994.12	121.00	9	1.14025	0.05475	0.01874	9	1.14025	0.05475	0.01874
Method Group 121.XX PCT			9	1.14025	0.05475	0.01874	9	1.14025	0.05475	0.01874
Aspartic, Post-col Ninhydrin Der	994.12	122.00	10	1.55695	0.08638	0.02685	9	1.54827	0.08394	0.01539
Aspartic, Pre-col AQC Der		122.05	1	1.56500	0.17678	0.25000	1	1.56500	0.17678	0.25000

Method	AOAC 18th	Method Code	- Pass 1 Results for 203 Labs - No. of Labs	Grand Avg.	Std. Dev.	Average Range of Dups	- Pass 2 Results for 203 Labs - No. of Labs	Grand Avg.	Std. Dev.	Average Range of Dups
Method Group 122.XX PCT			11	1.55768	0.09080	0.04714	10	1.54995	0.08931	0.03885
Cysteine/Cystine, PAO Post-col Ninhydri	994.12	124.00	9	0.58555	0.06649	0.01214	8	0.57449	0.06103	0.00641
Cysteine/Cystine, PAO Post-col OPA Der		124.02	1	0.54250	0.00636	0.00900	1	0.54250	0.00636	0.00900
Cysteine/Cystine, PAO Pre-col AQC Der .		124.05	1	0.55500	0.00707	0.01000	1	0.55500	0.00707	0.01000
Method Group 124.XX PCT			11	0.57886	0.06166	0.01166	10	0.56935	0.05537	0.00703
Glutamic, Post-col Ninhydrin Der	994.12	125.00	7	2.74045	0.02636	0.02176	7	2.74045	0.02636	0.02176
Method Group 125.XX PCT			7	2.74045	0.02636	0.02176	7	2.74045	0.02636	0.02176
Glycine, Post-col Ninhydrin Der	994.12	126.00	9	1.18541	0.04467	0.01607	9	1.18541	0.04467	0.01607
Glycine, Pre-col AQC Der		126.05	1	1.34500	0.03536	0.05000	1	1.34500	0.03536	0.05000
Method Group 126.XX PCT			10	1.20137	0.06530	0.01946	10	1.20137	0.06530	0.01946
Histidine, Post-col Ninhydrin Der	994.12	127.00	9	0.46344	0.06072	0.00723	9	0.46344	0.06072	0.00723
Histidine, Pre-col AQC Der		127.05	1	0.51000	0.02828	0.04000	1	0.51000	0.02828	0.04000
Method Group 127.XX PCT			10	0.46809	0.05955	0.01051	10	0.46809	0.05955	0.01051
Isoleucine, Post-col Ninhydrin Der	994.12	128.00	8	0.80877	0.04082	0.01049	8	0.80877	0.04082	0.01049
Isoleucine, Pre-col AQC Der		128.05	1	0.93000	0.01414	0.02000	1	0.93000	0.01414	0.02000
Method Group 128.XX PCT			9	0.82224	0.05495	0.01154	9	0.82224	0.05495	0.01154
Leucine, Post-col Ninhydrin Der	994.12	129.00	9	1.70564	0.06615	0.02502	9	1.70564	0.06615	0.02502
Leucine, Pre-col AQC Der		129.05	1	1.86500	0.00707	0.01000	1	1.86500	0.00707	0.01000
Method Group 129.XX PCT			10	1.72158	0.07952	0.02352	10	1.72158	0.07952	0.02352
L-Lysine, Post-col Ninhydrin Der	994.12	130.00	10	0.89949	0.05360	0.01879	9	0.89337	0.05148	0.01254
L-Lysine, Pre-col AQC Der		130.05	2	0.94250	0.05560	0.06500	2	0.94250	0.05560	0.06500
Method Group 130.XX PCT			12	0.90665	0.05518	0.02649	11	0.90230	0.05443	0.02208
Methionine, PAO Post-col Ninhydrin Der	994.12	131.00	9	0.22916	0.03842	0.01449	8	0.22399	0.03617	0.00917
Methionine, PAO Post-col OPA Der		131.02	1	0.28500	0.00990	0.01400	1	0.28500	0.00990	0.01400
Methionine, PAO Pre-col AQC Der		131.05	2	0.28500	0.04123	0.01000	2	0.28500	0.04123	0.01000
Method Group 131.XX PCT			12	0.24312	0.04390	0.01370	11	0.24063	0.04422	0.00976
Phenylalanine, Post-col Ninhydrin Der .	994.12	132.00	9	0.90178	0.03993	0.01737	9	0.90178	0.03993	0.01737
Method Group 132.XX PCT			9	0.90178	0.03993	0.01737	9	0.90178	0.03993	0.01737
Proline, Post-col Ninhydrin Der	994.12	133.00	8	1.66852	0.06683	0.03976	8	1.66852	0.06683	0.03976
Proline, Pre-col AQC Der		133.05	1	1.76000	0.01414	0.02000	1	1.76000	0.01414	0.02000
Method Group 133.XX PCT			9	1.67868	0.06949	0.03757	9	1.67868	0.06949	0.03757
Serine, Post-col Ninhydrin Der	994.12	134.00	10	1.36597	0.09251	0.03279	9	1.35724	0.09102	0.02232
Serine, Pre-col AQC Der		134.05	1	1.57000	0.02828	0.04000	1	1.57000	0.02828	0.04000
Method Group 134.XX PCT			11	1.38451	0.10670	0.03345	10	1.37852	0.10836	0.02409
Threonine, Post-col Ninhydrin Der	994.12	135.00	10	0.93692	0.03679	0.01467	9	0.93318	0.03395	0.00686
Threonine, Pre-col AQC Der		135.05	2	1.00000	0.05831	0.01000	2	1.00000	0.05831	0.01000
Method Group 135.XX PCT			12	0.94743	0.04624	0.01389	11	0.94533	0.04598	0.00743
Tryptophan, Alka-Hydrol Post-col Ninhyd	988.15	136.00	2	0.20718	0.01465	0.00125	2	0.20718	0.01465	0.00125
Tryptophan, Alka-Hydrol Rev Phase LC UV		136.01	2	0.21270	0.01811	0.01080	2	0.21270	0.01811	0.01080

Method	AOAC 18th	Method Code	- Pass 1 Results for 203 Labs - No. of Labs	Grand Avg.	Std. Dev.	Average Range of Dups	- Pass 2 Results for 203 Labs - No. of Labs	Grand Avg.	Std. Dev.	Average Range of Dups
Tryptophan, Misc		136.99	1	0.13000	0.00000	0.00000	1	0.13000	0.00000	0.00000
Method Group 136.XX PCT			5	0.19395	0.03638	0.00482	5	0.19395	0.03638	0.00482
Tyrosine, Post-col Ninhydrin Der	994.12	137.00	6	0.66817	0.04774	0.01353	6	0.66817	0.04774	0.01353
Tyrosine, Pre-col AQC Der		137.05	1	0.71000	0.05657	0.08000	1	0.71000	0.05657	0.08000
Method Group 137.XX PCT			7	0.67414	0.04904	0.02303	7	0.67414	0.04904	0.02303
Valine, Post-col Ninhydrin Der	994.12	138.00	8	1.19894	0.05940	0.02393	8	1.19894	0.05940	0.02393
Valine, Pre-col AQC Der		138.05	1	1.33500	0.02121	0.03000	1	1.33500	0.02121	0.03000
Method Group 138.XX PCT			9	1.21406	0.07124	0.02460	9	1.21406	0.07124	0.02460
Aflatoxin, Neogen Vera-Tox		300.01	2	6.65000	2.47454	0.80000	2	6.65000	2.47454	0.80000
Method Group 300.XX PPB			2	6.65000	2.47454	0.80000	2	6.65000	2.47454	0.80000

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index
--	Method 000.01	--
278	20.100	.66
035	19.955	.64
202	18.515 R	.43
Avg	15.552	
208	6.6000	-1.29
--	Method 000.02	--
029	21.200	.87
Avg	13.925	
673	6.6500	-.87
--	Method 000.99	--
265	19.830	.87
Avg	13.165	
723	6.5000	-.87
--	Method 001.00	--
509	10.815 S	1.95
504	9.9200 R	1.42
720	9.2000	.96
001	8.0450	.24
Avg	7.2000	
309	7.4800	-.11
596	6.7500	-.56
169	6.7350	-.57
027	6.6100	-.64
029	5.5800	-1.28
--	Method 001.03	--
686	7.8500	1.14
Avg	7.0817	
663	7.0450	-.14
688	6.3500	-1.09
--	Method 001.05	--
610	5.9850	.71

Lab	Average*	Index
--	Method 001.07	--
142	9.3000	2.96
616	8.2200	1.60
130	8.0825 R	1.59
581	8.1850	1.55
599	8.1700	1.53
550	7.8400	1.14
590	7.8000	1.07
140	7.7750	1.05
048	7.6450	.88
693	7.5335 R	.87
559	7.5950	.81
035	7.5600	.77
004	7.4850	.67
307	7.3650	.59
187	7.4150	.58
139	7.4050	.57
098	7.2300	.40
413	7.0500	.34
129	7.2050	.34
414	7.1250	.33
671	7.1350	.28
089	7.1700	.28
571	7.1450	.24
199	6.9800	.04
Avg	6.9508	
591	6.9450	-.02
015	6.7950	-.21
607	6.7705	-.23
177	6.7500	-.26
278	6.6750	-.35
074	6.6650	-.37
588	6.6550	-.37
639	6.5900	-.46
178	6.6000	-.51
353	6.4050	-.71
049	6.4100	-.73
045	6.3700	-.73
669	6.3500	-.76
675	6.1050	-1.06

Lab	Average*	Index
--	Method 001.07	--
609	6.1000	-1.08
297	6.0750	-1.10
083	5.9750	-1.23
689	5.9500	-1.26
640	5.8300	-1.41
648	5.7700	-1.49
679	5.7000	-1.58
366	5.5500	-1.79
--	Method 001.08	--
560	5.5450	.71
--	Method 001.99	--
405	11.885 S	3.04
305	10.540 S	2.08
676	9.8300	1.57
548	9.4450	1.29
096	9.0500	1.02
505	7.6800	.04
Avg	7.4355	
656	7.5650	-.09
619	7.4000	-.23
672	7.2850	-.26
536	7.2575	-.35
038	6.8100	-.62
615	6.6100	-.77
631	6.4100	-.88
665	6.3800	-.91
630	6.2350	-1.01
357	6.1400	-1.08
--	Method 002.00	--
679	42.095	.77
015	42.050	.51
Avg	41.960	
199	41.735	-1.28
353	40.780 R	-6.94

Lab	Average*	Index
--	Method 002.01	--
710	42.180	1.03
607	42.110	.92
666	41.885	.57
723	41.815	.41
652	41.700	.27
Avg	41.577	
653	41.565	-.21
714	41.455	-.22
656	41.295	-.52
672	41.500 R	-.69
685	40.185	-2.38
--	Method 002.02	--
639	46.690 S	2.85
307	44.600 S	1.52
048	43.955	1.11
297	43.600	.88
Avg	41.891	
669	41.900	-.21
042	41.355	-.56
036	41.277	-.63
169	41.095	-.72
187	40.055	-1.39
--	Method 002.03	--
265	44.750 S	.00
536	39.125 S	.00
Avg	0.0000	
--	Method 002.04	--
509	43.160	1.49
504	42.385	.63
Avg	41.839	
591	41.695	-.19
596	41.000	-.94
405	40.955	-.99

Lab	Average*	Index
--	Method 002.05	--
177	56.735 s	45.55
663	42.310	1.40
354	42.180	1.13
305	42.150	1.06
633	42.046	.83
552	41.975	.68
689	41.950	.64
028	41.915	.55
178	41.850	.43
651	41.762 R	.40
083	41.795	.32
620	41.788	.28
658	41.700	.14
039	41.695	.08
Avg	41.656	
621	41.530	-.27
622	41.475	-.40
350	41.445	-.46
140	41.240	-.90
596	41.000	-1.41
194	40.950	-1.51
625	40.690 R	-2.14
648	40.480	-2.52
722	36.527 s	-33.95
--	Method 002.06	--
011	45.350 s	8.60
417	45.215 s	8.13
527	45.120 s	7.85
108	44.545 s	6.19
609	44.420 s	5.75
616	44.390 s	5.66
615	43.775 s	3.93
504	43.070 s	3.01
670	43.415	2.73
682	43.220	2.14
032	43.100 R	2.13
190	43.150	2.02
065	43.140	1.91

* X=Excluded from lab performance S/s=Screened Outlier R=Duplicate Range too large A=Analysis beyond 3-s limits

AAFCO - Feed Check Sample No. - 200725 Beef Cattle Grower, Medicated

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
--	Method 002.06 --		--	Method 002.06 --		--	Method 002.06 --		--	Method 002.08 --		--	Method 002.99 --	
425	43.120	1.85	294	42.615	.33	096	42.430	-.62	208	42.200	1.12	640	42.775	1.23
037	43.040	1.72	647	42.610	.33	142	42.300	-.62	414	42.095	.91	599	42.165	.62
673	43.000	1.48	668	42.602	.32	309	42.470	-.64	062	41.981	.69	630	42.115	.43
148	42.980	1.42	687	42.570	.21	021	42.315	-.67	160	41.660	.07	Avg	41.770	
660	42.895	1.36	512	42.550	.20	171	42.300	-.69	Avg	41.647		724	41.125	-.79
003	42.785 R	1.29	263	42.571	.20	119	42.430	-.70	610	41.600	-.22	643	40.670	-1.34
520	42.925	1.26	110	42.520	.16	358	42.280	-.70	563	41.205	-.90			
168	42.920	1.25	Avg	42.506		029	42.455	-.72	309	40.785	-1.75	--	Method 003.00 --	
692	42.530 R	1.20	089	42.505	-.02	018	42.270	-.76				152	41.090 s	51.35
573	42.850	1.07	672	42.500	-.02	130	42.265	-.78	--	Method 002.10 --		106	5.5600 S	3.78
049	42.860	1.06	357	42.500	-.02	226	42.250	-.78	629	42.670	1.23	265	5.2150 S	3.32
013	42.840	1.01	034	42.490	-.08	278	42.250	-.78	675	42.270	.77	129	5.0000 S	3.04
676	42.565 R	.99	686	42.480	-.08	139	42.235	-.82	546	42.145	.63	309	4.6875 S	2.65
205	42.790	.98	229	42.480	-.10	202	42.205	-.91	688	42.000	.45	139	4.4500 S	2.29
650	42.790	.90	138	42.490	-.10	529	42.220	-.92	Avg	41.616		164	4.1150	1.84
541	42.785	.88	121	42.505	-.11	414	42.440	-.95	619	41.450 R	-.35	015	3.6500	1.23
693	42.632	.88	035	42.505	-.11	208	42.200	-.97	628	41.070	-.65	307	3.5000 R	1.15
646	42.715	.88	407	42.470	-.11	027	42.230	-1.01	596	41.000	-.72	017	3.4300	.92
413	42.650	.87	298	42.460	-.14	004	42.180	-1.03	631	40.155	-1.70	563	3.4200	.91
590	42.775	.84	100	42.450	-.18	017	42.175	-1.04				354	3.4150	.91
001	42.780 X	.84	038	42.445	-.20	045	42.150	-1.08	--	Method 002.11 --		353	3.2900	.74
671	42.760	.80	610	42.450	-.23	300	42.145	-1.09	567	51.800 S	14.59	048	3.2100	.66
185	42.739	.79	106	42.430	-.23	720	42.330 R	-1.12	665	48.165 S	9.47	032	2.9650 R	.57
026	42.730	.76	233	42.500	-.24	051	42.075	-1.31	588	45.145 S	5.23	596	3.0000	.35
074	42.725	.76	354	42.415	-.28	550	42.193 R	-1.42	553	42.389	1.32	194	2.8200	.11
098	42.750	.75	006	42.425	-.35	674	42.025	-1.47	011	42.300	1.20	Avg	2.6637	
160	42.745	.72	626	42.385	-.37	645	42.400 R	-1.54	178	41.950	.73	039	2.4955	-.33
571	42.718	.64	164	42.370	-.41	567	41.900	-1.85	648	41.725	.47	026	2.4650	-.37
363	42.700	.59	019	42.455	-.43	141	42.061 R	-2.10	631	41.520	.09	527	2.4600	-.38
366	42.660	.59	619	42.400	-.44	684	41.690	-2.46	Avg	41.453		616	2.2900	-.62
598	42.665	.56	047	42.365	-.46	122	41.635	-2.62	724	41.005	-.63	676	2.2650	-.64
574	42.660	.48	726	42.410	-.46	042	41.605	-2.72	690	41.050	-.67	300	2.1500	-.81
129	42.650	.44	559	42.355	-.52	009	41.585	-2.77	599	40.950	-.71	190	2.1050	-.85
036	42.645	.42	505	42.335	-.53	539	41.430 s	-3.48	640	40.185	-1.79	142	2.1000	-.86
510	42.600	.41	353	42.370	-.55	596	41.000 s	-4.52	032	34.445 S	-9.88	175	2.1000	-.87
175	42.600	.41	144	42.350	-.57	588	39.390 s	-9.36				726	2.0750	-.89
014	42.522	.41	242	42.310	-.59							615	2.0550	-.93
010	42.510	.39	589	42.370	-.61							509	2.0400	-.94
199	42.515	.35	159	42.303	-.61							187	1.6500	-1.46

* X=Excluded from lab performance S/s=Screened Outlier R=Duplicate Range too large A=Analysis beyond 3-s limits

AAFCO - Feed Check Sample No. - 200725 Beef Cattle Grower, Medicated

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index
--	Method 003.01	--
504	3.5450 S	.00
--	Method 003.06	--
625	5.3550 s	8.59
407	3.1900	2.67
581	3.0350	2.25
689	2.7500 R	1.52
122	2.6800	1.30
621	2.5950	1.04
074	2.5550 R	1.03
709	2.3900	.57
588	2.4100	.54
229	2.3650	.43
688	2.3500	.40
567	2.3000	.24
640	2.2900	.22
Avg	2.2129	
684	2.2000	-.14
647	2.2000	-.22
148	2.0750	-.38
009	2.0800	-.38
552	2.0700	-.39
199	2.0400	-.47
294	2.0400	-.48
297	2.0100	-.55
425	2.0000	-.58
669	1.9900	-.61
559	2.0250	-.62
682	1.9700	-.66
159	1.9700	-.66
185	1.9650	-.69
574	1.9050	-.84
169	1.3900	-2.25
--	Method 003.09	--
358	3.7600	2.31
723	3.5500	1.85
722	3.2582	1.25
004	3.2000	1.13
--	Method 003.09	--
620	3.1789	1.10
354	3.1350	1.00
651	3.0560	.83
714	3.0370	.79
590	2.8750	.52
656	2.7000 R	.52
140	2.8500	.43
098	2.7000	.38
413	2.7000	.10
350	2.6904	.08
001	2.6550 X	.05
Avg	2.6525	
673	2.6000	-.11
029	2.5900	-.21
226	2.5000	-.37
674	2.4300	-.49
263	2.4059	-.51
510	2.4000	-.52
685	2.4150	-.53
653	2.3900	-.54
121	2.3200	-.68
505	2.3050	-.74
013	2.3350 R	-.79
027	2.2000	-.93
675	2.1400	-1.05
633	2.0358	-1.27
038	1.8800	-1.59
305	1.6650	-2.03
--	Method 003.10	--
639	2.9150 s	5.68
651	2.6525 s	4.01
591	2.3750 R	2.37
679	2.3850	2.30
672	2.3000	1.76
607	2.2444	1.41
160	2.2430	1.40
648	2.2400	1.38
623	2.1938	1.08
--	Method 003.10	--
233	2.1450	.88
045	2.1000 R	.80
208	2.0600	.50
573	2.0820	.38
178	2.0500	.36
051	2.0500	.30
366	2.0600	.30
100	2.0450	.21
034	2.0300	.20
693	2.0450	.17
062	2.0425	.12
629	2.0350	.12
Avg	2.0237	
298	2.0200	-.07
596	2.0000	-.15
599	1.9650	-.38
609	1.9400	-.54
119	1.9300	-.60
042	1.9250	-.64
098	1.9000	-.81
089	1.8900	-.85
520	1.8800	-.93
363	1.8450	-1.17
144	1.8350	-1.20
619	1.8100	-1.40
242	1.8000	-1.42
720	1.7450	-1.78
--	Method 003.11	--
665	2.7650	2.42
032	2.1950 X	1.39
553	1.9050	.87
Avg	1.4279	
011	1.4000	-.05
648	1.2550	-.31
724	1.2100	-.39
178	1.2000	-.41
599	1.1000	-.59
690	1.1000	-.59
--	Method 003.11	--
631	1.0550	-.68
640	1.0300	-.72
588	0.9200	-.92
567	0.9000 R	-.97
--	Method 003.12	--
357	2.7500	1.53
646	2.3850 R	1.32
670	2.4650	.46
Avg	2.3540	
628	2.3300	-.25
414	2.1750	-.74
171	2.0500	-1.16
--	Method 003.13	--
028	2.1450	.98
205	2.0640	.28
Avg	2.0297	
660	1.8800	-1.21
--	Method 003.14	--
278	3.5000 s	5.23
414	2.5300 R	1.52
110	2.6200	1.35
021	2.5900	1.24
529	2.5650	1.10
019	2.3550	.33
185	2.3750	.26
598	2.3550	.18
Avg	2.3163	
144	2.1100	-.95
550	2.0875	-1.05
686	2.0550	-1.15
175	2.0500	-1.18
049	2.1100 R	-1.57
--	Method 003.99	--
417	6.5850 s	7.93
652	3.5000	1.87
724	3.2500	1.39
630	2.8050	.51
Avg	2.5428	
546	2.4250	-.24
631	2.3850	-.34
671	2.1500	-.77
710	2.1450	-.78
047	2.1150	-.84
536	2.1100	-.85
--	Method 004.00	--
265	21.625 s	25.94
009	7.9100	1.39
509	7.8100	1.20
048	7.7400	1.08
208	7.6200	.88
199	7.6200	.87
559	7.6000	.86
164	7.6000	.85
175	7.5400	.73
425	7.5000	.65
169	7.4950	.64
015	7.3000 R	.61
647	7.2250 R	.57
563	7.4350	.53
596	7.4000	.47
190	7.3850	.44
309	7.3750	.42
298	7.3300	.34
226	7.1500	.27
666	7.1400	.11
Avg	7.1387	
354	6.9950	-.26
042	6.8700	-.48
034	6.7250	-.74
194	6.7200	-.75
159	6.6725	-.84

* X=Excluded from lab performance S/s=Screened Outlier R=Duplicate Range too large A=Analysis beyond 3-s limits

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index
--	Method 004.00	--
171	6.6600	-.88
039	6.1770	-1.72
726	6.1800	-1.73
353	6.1450	-1.78
510	5.9500	-2.13
504	5.1350 s	-5.07
--	Method 004.01	--
693	9.1250	.43
Avg	8.5775	
366	8.0300	-1.15
--	Method 004.03	--
045	8.5500	1.46
Avg	7.7700	
679	7.5700	-.36
676	7.5750	-.60
619	7.3850	-.93
--	Method 004.06	--
609	13.740 s	11.01
178	9.0000	2.60
720	8.6300	1.95
656	8.2850	1.37
029	8.2600	1.29
354	7.9950	.82
673	7.9000	.65
710	7.8850	.62
685	7.8300	.52
140	7.7450	.38
723	7.7200	.35
552	7.7050	.34
620	7.7077	.31
350	7.6670	.23
027	7.6250	.20
038	7.6250	.16
Avg	7.5350	
675	7.4850	-.09
625	7.4587	-.14

Lab	Average*	Index
--	Method 004.06	--
588	7.4450	-.16
607	7.3332	-.36
205	7.2700	-.57
633	7.1997	-.59
098	7.3350 R	-.60
599	7.2000	-.61
672	7.2000	-.62
689	7.2500 R	-.67
610	7.1000	-.79
591	7.0200	-.91
590	6.9700	-1.02
670	6.8250	-1.26
653	6.7500	-1.39
722	6.6148	-1.63
688	6.6000	-1.66
674	6.6450 R	-1.67
--	Method 004.07	--
242	12.580 S	3.44
581	11.945 S	2.97
144	11.745	2.82
682	10.400	1.83
042	10.160	1.66
004	10.145	1.64
011	9.5900	1.23
089	9.3900	1.08
686	9.2750	1.00
708	9.1150	.89
407	9.0250	.82
028	8.9000	.72
631	8.7500	.61
096	8.5700	.47
229	8.5100	.44
646	8.2350	.23
567	8.0650	.13
110	7.9800	.09
Avg	7.9309	
160	7.7050	-.17
529	7.6100	-.24

Lab	Average*	Index
--	Method 004.07	--
074	7.6250	-.25
536	7.8500 R	-.27
294	7.5500	-.28
026	7.4600	-.36
013	7.2150	-.53
032	7.2100	-.54
278	7.2000	-.55
185	7.1750	-.56
300	7.1200	-.60
709	7.1100	-.63
021	7.0700	-.64
122	7.0900	-.65
098	7.4750 R	-.74
035	6.8800	-.78
505	6.8350	-.81
307	6.7500	-.87
100	6.6500	-.95
639	6.6250	-.97
202	6.4800	-1.07
414	6.4100	-1.13
413	6.3000	-1.21
520	5.4500	-1.84
--	Method 004.11	--
567	14.850 s	7.68
724	10.895	.54
640	10.870	.53
690	10.850	.47
665	10.800	.37
599	10.800	.37
648	10.790	.35
631	10.665	.12
178	10.600	.01
Avg	10.597	
588	10.485 R	-.30
011	9.1000	-2.70
032	7.1700 s	-6.19

Lab	Average*	Index
--	Method 004.99	--
648	8.0300	1.45
724	7.8150	1.10
Avg	7.1367	
626	6.9950	-.24
640	6.8650	-.47
598	6.6650	-.77
629	6.4500	-1.14
--	Method 005.00	--
676	23.125	2.17
658	22.950 R	2.02
726	22.935	1.96
307	22.870	1.90
226	22.750	1.75
413	22.450	1.42
674	22.360	1.37
666	22.385	1.35
670	22.340	1.30
588	22.260	1.21
357	22.250	1.20
098	22.000 R	1.14
108	21.905 R	1.14
720	22.140	1.07
643	22.140	1.07
647	22.130	1.07
520	22.120	1.05
599	22.080	1.01
672	22.000	.92
407	21.990	.91
567	21.950	.91
629	21.925	.84
591	21.930	.84
159	21.920	.83
152	21.905	.81
679	21.895	.80
651	21.878	.79
625	21.760 R	.79
688	21.850	.75
710	21.850	.75

Lab	Average*	Index
--	Method 005.00	--
185	21.850	.75
607	21.815	.71
229	21.770	.66
004	21.745	.63
723	21.730	.63
653	21.715	.61
669	21.725	.61
621	21.710	.60
148	21.670	.55
552	21.595	.50
504	21.615	.49
045	21.600	.49
363	21.600	.47
686	21.585	.46
693	21.580	.45
178	21.200 R	.44
353	21.475	.43
175	21.550	.42
646	21.550	.42
620	21.548	.42
619	21.400	.42
038	21.530	.40
140	21.515	.39
722	21.527	.39
563	21.520	.39
029	21.390	.33
633	21.466	.33
242	21.460	.32
510	21.460	.32
660	21.275	.32
083	21.450	.31
527	21.435	.30
350	21.430	.30
548	21.408	.27
656	21.355	.25
559	21.395	.25
414	21.190	.24
187	21.385	.24
631	21.190	.22

* X=Excluded from lab performance S/s=Screened Outlier R=Duplicate Range too large A=Analysis beyond 3-s limits

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index
--	Method 005.00	--
171	21.355	.21
366	21.215	.20
689	21.335	.19
130	21.308	.17
300	21.315	.16
035	21.295	.14
354	21.270	.11
164	21.185	.03
Avg	21.173	
297	21.100	-.08
671	21.100	-.08
048	21.095	-.09
541	21.120	-.10
001	21.100	-.10
298	21.080	-.10
358	21.135	-.13
529	21.050	-.14
202	21.040	-.15
278	21.030	-.17
305	21.015	-.18
675	21.010	-.18
144	21.015	-.19
505	20.970	-.23
034	20.950	-.25
590	20.900	-.32
129	20.920	-.36
609	20.840	-.38
089	20.820	-.39
650	20.810	-.40
709	21.025	-.43
199	20.750	-.47
138	20.725	-.50
639	20.995 R	-.50
121	20.695	-.55
205	20.620	-.62
623	20.585	-.65
110	20.550	-.69
194	20.510	-.74
021	20.365	-.91

Lab	Average*	Index
--	Method 005.00	--
027	20.220	-1.06
142	20.200	-1.10
539	20.200	-1.13
622	20.138	-1.15
294	20.085	-1.21
049	20.615 R	-1.22
309	20.015	-1.33
668	19.950	-1.38
682	19.860	-1.46
640	20.600 R	-1.58
417	19.700 R	-1.74
139	19.525	-1.83
015	19.515	-1.84
550	19.410	-1.96
616	19.390	-1.98
684	19.325	-2.05
598	19.290	-2.09
596	19.300 R	-2.15
425	19.210	-2.18
062	19.212	-2.18
169	19.205	-2.18
615	19.180	-2.21
019	19.150	-2.25
160	19.140	-2.26
051	19.035	-2.37
119	18.365 s	-3.12
265	8.0650 s	-14.55
--	Method 005.02	--
610	21.950	.71
--	Method 005.11	--
588	28.480 s	6.94
640	25.155 S	2.05
724	24.965 S	1.77
631	24.800 S	1.53
648	23.980	.61
Avg	23.470	
178	23.500	-.34

Lab	Average*	Index
--	Method 005.11	--
599	23.250	-.73
690	23.150	-1.06
665	12.310 s	-16.43
--	Method 005.99	--
628	22.420	1.46
648	22.070	1.08
630	21.825	.80
652	21.650 R	.79
673	21.600	.55
208	21.350	.28
536	21.205	.23
Avg	21.106	
096	21.100	-.11
122	20.615	-.55
574	20.505	-.67
663	20.280	-.92
724	19.200	-2.12
--	Method 008.02	--
148	13.590	1.15
098	13.430	1.08
035	13.285	.86
187	13.270	.85
226	12.850 X	.44
309	12.795	.39
354	12.560	.21
405	12.590	.20
527	12.560	.17
Avg	12.392	
353	11.680	-.70
726	11.290	-1.10
619	10.900	-1.46
684	11.055 R	-1.50
045	10.300	-2.07

Lab	Average*	Index
--	Method 008.05	--
265	13.050	-.71
--	Method 008.08	--
510	13.700	2.28
674	11.590 R	1.79
001	12.815 X	1.63
693	11.940	.97
278	11.600	.72
669	11.395	.58
414	11.295	.51
529	11.255	.45
646	10.715	.08
Avg	10.647	
160	10.585	-.05
357	10.300	-.30
049	10.020	-.48
202	9.9350	-.53
037	9.8650	-.59
004	9.8350	-.61
185	9.6300	-.77
413	9.6000	-.80
294	8.7850	-1.40
686	8.3750	-1.70
581	5.3700 s	-5.14
--	Method 008.99	--
307	14.000	1.44
297	12.700	.76
Avg	11.199	
164	10.650	-.29
656	9.3250	-.94
358	9.3200	-.94
--	Method 009.04	--
726	26.670	-.71

Lab	Average*	Index
--	Method 009.07	--
226	24.750 X	1.62
307	24.300	1.34
045	23.850	1.06
693	23.350 R	1.04
684	23.720	.97
297	23.660	.94
656	22.650	.30
Avg	22.189	
309	21.875	-.24
098	21.700	-.41
164	21.200	-.63
353	21.120	-.68
038	20.815	-.87
354	20.595	-1.01
663	20.290	-1.20
187	20.120	-1.31
--	Method 009.09	--
265	26.750 s	4.14
674	24.475 R	2.52
669	23.965	1.87
414	23.420	1.42
049	21.915 R	1.40
160	23.125	1.17
037	22.490	.68
357	21.950	.31
510	21.950	.26
Avg	21.657	
202	21.470	-.15
686	21.355	-.24
646	21.345	-.25
581	21.065	-.50
294	20.810	-.68
413	20.500	-.98
278	20.200	-1.17
185	19.550	-1.68

* X=Excluded from lab performance S/s=Screened Outlier R=Duplicate Range too large A=Analysis beyond 3-s limits

AAFCO - Feed Check Sample No. - 200725 Beef Cattle Grower, Medicated

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index
--	Method 009.99 --	
619	24.500	.86
Avg	23.083	
643	21.665	-.87
--	Method 010.03 --	
546	4.1100	.71
--	Method 010.11 --	
032	11.165 s	12.35
690	5.9000	1.18
599	5.8500	1.06
178	5.7500	.90
631	5.3950	.16
Avg	5.3550	
567	5.3500	-.11
724	5.2500	-.24
640	5.2400	-.25
648	5.1250	-.52
588	4.3350	-2.18
--	Method 010.99 --	
574	11.535	1.93
417	10.900	1.63
652	9.4500	.91
714	8.7445	.57
141	8.0800 R	.49
666	7.6550	.04
Avg	7.5861	
673	7.5500	-.03
724	7.3650	-.11
037	6.9400	-.32
709	6.9000	-.34
628	5.8000	-.87
726	5.6250	-.96
168	5.2800	-1.13
527	4.8750	-1.33

Lab	Average*	Index
--	Method 011.01 --	
646	12.070	2.20
668	11.768	1.85
185	11.325	1.33
171	11.315	1.32
623	11.304	1.31
229	11.305	1.31
414	11.270	1.26
647	11.185	1.17
520	10.835 R	.90
559	10.935	.87
407	10.925	.87
300	10.890	.82
205	10.845	.82
138	10.875	.80
164	10.870	.80
226	10.800 X	.75
110	10.815	.75
682	10.820	.74
122	10.810	.73
160	10.750	.66
591	10.740	.64
242	10.720	.62
062	10.711	.61
051	10.710	.61
098	10.545 R	.58
233	10.650	.54
722	10.622	.51
670	10.615	.50
144	10.515	.47
309	10.580	.46
620	10.495	.36
645	10.400	.34
650	10.295 R	.33
034	10.445	.30
541	10.310	.14
539	10.225	.10
621	10.240	.06
Avg	10.190	
350	10.141	-.06

Lab	Average*	Index
--	Method 011.01 --	
363	10.135	-.07
202	10.095	-.14
651	10.067	-.15
529	9.9850	-.24
510	10.050	-.24
625	10.045	-.26
622	9.8956	-.34
148	9.8700	-.38
119	9.7850	-.48
108	9.9000 R	-.49
100	9.7150	-.56
658	9.7550	-.56
633	9.6579	-.62
653	9.6450	-.67
596	9.6000	-.69
675	9.5950	-.70
354	9.5450	-.76
660	9.5100	-.80
159	9.4850	-.82
358	9.5300 R	-.84
563	9.4450	-.87
298	9.4000	-.92
021	9.3400	-.99
573	9.3155	-1.03
701	9.2400	-1.11
208	9.1700	-1.19
723	9.0300	-1.36
552	9.0050	-1.39
152	8.5000	-1.98
674	8.4850	-2.00
175	8.0000	-2.56
598	7.9600	-2.61
294	7.3500 s	-3.32
710	7.3100 s	-3.37
121	6.5350 s	-4.28

Lab	Average*	Index
--	Method 011.99 --	
684	8.9900	.84
Avg	8.6350	
265	8.2800	-.90
--	Method 012.00 --	
672	8.8000	1.50
548	8.6700	1.37
178	7.7000	.37
559	7.6000	.27
567	7.6000	.25
Avg	7.3583	
689	7.0000	-.39
673	6.5000	-.89
653	6.4300	-.98
354	5.9250	-1.49
--	Method 012.01 --	
686	6.8600	.97
Avg	6.7035	
185	6.5470	-.75
--	Method 012.02 --	
159	7.7400	.71
--	Method 012.03 --	
684	8.0350	1.26
Avg	6.9817	
098	6.6250	-.45
297	6.2850	-.85
--	Method 012.04 --	
051	7.7500	1.34
038	6.9500 R	.81
278	7.0000	.64
Avg	6.3090	
160	6.1900	-.11
353	5.8550	-.42
510	4.7500	-1.45

Lab	Average*	Index
--	Method 012.99 --	
619	18.100 S	.00
--	Method 013.02 --	
130	4.5805 s	3.87
051	3.8400	1.29
643	3.7100	.98
650	3.6950	.95
616	3.5350 R	.90
003	3.5650	.66
581	3.5450	.66
171	3.5650	.66
065	3.5600	.63
548	3.3800	.56
354	3.4350	.44
100	3.4200	.31
164	3.4150	.28
Avg	3.2958	
671	3.2700	-.06
208	3.2400	-.14
026	3.1900	-.29
229	2.9050	-.94
675	2.7000	-1.41
011	2.6450	-1.55
414	2.2450	-2.49
--	Method 013.10 --	
185	4.8550 s	3.85
177	4.0150	2.08
353	3.7000	1.41
140	3.6200	1.25
656	3.5300	1.06
096	3.2400 R	.55
660	3.2650	.52
672	3.0500	.11
714	3.0560	.06
Avg	3.0339	
688	3.0000	-.22
610	2.9000	-.28
539	2.9000	-.34

* X=Excluded from lab performance S/s=Screened Outlier R=Duplicate Range too large A=Analysis beyond 3-s limits

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index
--	Method 013.10	--
673	2.7000	-.71
160	2.6890	-.73
591	2.6700	-.78
062	2.6480	-.82
663	2.4850	-1.16
666	2.3150	-1.52
--	Method 013.13	--
042	4.2550	.71
--	Method 013.99	--
689	3.3000	.00
--	Method 015.00	--
164	2044.5	1.10
520	1982.0	1.01
616	1935.0	.92
414	1930.0	.92
011	1797.3	.70
045	1510.0	.25
Avg	1368.2	
154	1225.0	-.32
560	1009.5	-.59
021	692.50	-1.10
353	538.35	-1.35
169	385.50	-1.60
--	Method 016.00	--
567	0.6500	.94
Avg	0.4143	
619	0.1785	-.79
--	Method 016.02	--
154	0.4400	.71
--	Method 017.00	--
414	12.000	1.40
353	11.180	1.02
Avg	9.0025	
--	Method 017.00	--
693	8.8500	-.14
560	8.1350	-.44
154	7.8500	-.55
045	6.0000	-1.40
--	Method 017.99	--
307	17.350	-.71
--	Method 018.02	--
021	0.4000	1.68
Avg	0.2839	
154	0.2650	-.21
011	0.2405	-.52
567	0.2300	-.59
--	Method 019.00	--
633	5.6042	1.63
208	5.5950	1.60
679	5.5050	1.14
599	5.4250	.74
646	5.4200	.72
552	5.3900	.57
689	5.3050	.35
Avg	5.2756	
651	5.2170	-.29
623	5.1787	-.49
625	5.2350 R	-.61
622	5.1535	-.61
620	5.1257	-.76
621	5.1100	-.82
647	5.0800	-.97
194	5.0550	-1.10
175	4.9700	-1.53
--	Method 019.01	--
596	6.7500 s	5.92
108	6.1700 s	3.60
720	5.9900	2.57
674	5.8750	2.07
--	Method 019.01	--
122	5.8000	1.75
650	5.7700	1.63
142	5.7500	1.54
141	5.4815 R	1.42
178	5.6750	1.21
010	5.6600	1.16
529	5.6350	1.02
169	5.6250	1.01
013	5.5950	.91
354	5.5600	.70
019	5.5400	.62
363	5.5400	.61
508	5.5053	.46
658	5.4455	.40
675	5.4700	.33
018	5.4750	.32
035	5.4500	.30
669	5.4150	.12
036	5.4030	.04
Avg	5.4013	
710	5.3950	-.07
205	5.3750	-.12
648	5.3700	-.14
039	5.3680	-.15
034	5.3650	-.19
233	5.3700	-.22
588	5.3550	-.23
139	5.3450	-.25
653	5.3675	-.33
619	5.3900	-.35
612	5.3150	-.38
098	5.3250	-.39
263	5.3081	-.41
722	5.2980	-.45
014	5.3925	-.51
001	5.2790	-.56
563	5.2730	-.60
631	5.3750	-.82
026	5.1900	-.96
--	Method 019.01	--
129	5.3350 R	-1.02
038	5.1700	-1.02
505	5.1500	-1.12
536	5.1410	-1.14
278	5.1400	-1.15
065	5.1650	-1.19
670	5.1050	-1.29
152	5.0800	-1.40
656	5.3500 R	-1.41
591	5.0750	-1.43
350	5.0288	-1.63
620	4.9719	-1.88
307	5.0000 R	-2.09
548	4.8092 R	-2.77
004	4.6200 A	-3.44
687	4.5500 S	-3.72
130	4.1150 s	-5.65
--	Method 019.03	--
686	6.1050	1.60
Avg	5.5911	
048	5.4550	-.43
307	5.4450	-.49
036	5.3595	-.72
--	Method 019.05	--
294	6.7300 s	6.62
520	6.1000 s	3.94
003	6.0800 A	3.76
414	6.0500 s	3.69
049	5.6550	1.87
144	5.5550	1.43
413	5.5200	1.32
300	5.5035 R	1.29
148	5.5100	1.23
011	5.4672	1.11
208	5.4145	.81
265	5.4000	.76
029	5.3745	.70
--	Method 019.05	--
512	5.3645	.67
074	5.3650	.66
598	5.3400	.51
185	5.3400	.49
610	5.2930	.46
560	5.3150	.38
164	5.3050	.33
229	5.2900	.28
083	5.2850	.26
100	5.2500	.12
407	5.2550	.11
297	5.2450	.09
405	5.2450	.07
159	5.2350	.02
Avg	5.2309	
298	5.1800	-.23
226	5.1800	-.31
026	5.1550	-.35
187	5.1500	-.36
510	5.1450	-.38
425	5.1200	-.49
051	5.1150	-.51
171	5.1000	-.58
550	5.0950 R	-.83
358	5.0200	-.93
553	5.0200	-.96
089	4.9500	-1.24
645	4.9072	-1.44
242	4.7300	-2.22
701	4.5150	-3.16
682	4.4500 S	-3.45
685	3.1250 s	-9.31
--	Method 019.08	--
689	6.6750 S	8.57
607	5.5222	.82
723	5.4800	.56
590	5.4750	.49
Avg	5.4024	

* X=Excluded from lab performance S/s=Screened Outlier R=Duplicate Range too large A=Analysis beyond 3-s limits

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index
--	Method 019.08	--
673	5.4000	-.02
138	5.1350	-1.81
--	Method 019.09	--
042	6.1650 s	5.91
199	5.6665	2.18
047	5.5274 R	1.81
190	5.5900	1.54
366	5.5800	1.46
616	5.5800	1.46
027	5.4950	.84
202	5.4750	.70
353	5.4500	.57
045	5.4550	.55
186	5.4204	.54
154	5.4434	.50
726	5.4250	.45
021	5.4055	.15
357	5.3900	.08
Avg	5.3859	
309	5.3465	-.36
017	5.3250	-.46
096	5.3500	-.46
693	5.3560	-.51
032	5.3100	-.62
035	5.3000	-.65
037	5.2800	-.81
110	5.2700	-.89
628	5.2550	-.99
160	5.2610	-1.04
668	5.2450	-1.17
567	5.1850	-1.57
106	5.1750	-1.59
028	1.3200 s	-30.63
--	Method 019.99	--
692	5.8500	1.23
588	5.7600	.91
676	5.6745	.61

Lab	Average*	Index
--	Method 019.99	--
Avg	5.4918	
724	5.4050	-.29
665	5.4750	-.39
121	5.3130	-.68
629	4.9650	-1.76
--	Method 020.00	--
164	13.100	.87
Avg	11.600	
208	10.100	-.87
--	Method 020.01	--
021	14.500	1.47
096	14.000	1.15
045	12.900	.47
Avg	12.142	
567	11.900	-.40
154	11.700	-.51
011	11.014	-.76
560	10.970	-1.14
171	10.150	-1.23
--	Method 020.99	--
553	14.550	.91
Avg	11.138	
616	7.7250	-.82
--	Method 021.01	--
619	13.050	1.17
689	10.350	.18
164	10.200	.12
Avg	9.8700	
208	5.8800	-1.45
--	Method 021.02	--
628	12.500	1.66
021	12.200	1.42
366	11.500	.98
011	11.008	.60

Lab	Average*	Index
--	Method 021.02	--
510	10.660	.33
029	10.585	.31
Avg	10.192	
154	10.050	-.11
567	10.150	-.18
560	10.135	-.47
045	9.5500	-.55
169	9.3900	-.56
171	9.0500	-.81
668	8.8000	-.99
616	7.1050	-2.17
--	Method 021.99	--
017	12.500	1.69
Avg	11.455	
610	11.000	-.42
721	11.400	-.46
607	10.922	-.51
--	Method 022.01	--
175	203.00	1.86
722	198.55	1.48
689	197.50	1.39
653	195.89	1.25
529	195.05	1.19
013	191.00 R	1.13
620	193.19	1.06
208	192.50	.97
563	190.50	.81
590	190.48	.80
619	185.00	.54
646	184.00	.42
038	185.00	.35
548	183.39	.21
098	183.00	.20
278	181.50	.14
596	181.50	.14
178	182.00	.09
Avg	180.87	

Lab	Average*	Index
--	Method 022.01	--
675	178.88	-.23
354	177.95	-.28
656	177.20	-.32
307	177.00	-.32
014	177.00	-.33
648	176.30	-.38
709	176.30	-.40
669	175.37	-.46
350	175.15	-.48
710	175.00	-.50
629	174.00	-.58
588	172.00	-.74
505	171.00	-.89
035	157.00	-1.99
591	155.08	-2.15
674	156.00 s	-2.38
004	151.50	-2.48
720	100.00 s	-6.95
--	Method 022.03	--
560	201.50	1.99
208	201.50	1.87
074	200.00	1.75
083	195.50	1.40
550	185.76 R	1.30
413	192.50	1.15
185	191.00	1.03
011	189.53	1.00
520	184.50	.73
100	183.00	.42
407	183.00	.39
003	179.00	.33
164	179.70	.14
512	179.20	.14
Avg	178.06	
265	178.00	-.08
026	178.00	-.08
510	176.50	-.17
144	177.05	-.19

Lab	Average*	Index
--	Method 022.03	--
229	175.50	-.21
171	176.00	-.23
187	174.36	-.30
242	173.50	-.37
049	172.62	-.52
414	173.00	-.57
029	169.45	-.75
297	168.50	-.77
610	166.50	-.94
553	165.00	-1.05
159	173.50 R	-1.21
300	174.20 R	-1.33
226	161.50 X	-1.35
358	159.96	-1.45
598	159.00	-1.53
148	155.50	-1.80
405	143.00 S	-2.82
701	130.50 S	-3.79
--	Method 022.05	--
668	217.00 s	4.27
199	201.50	1.98
027	196.80	1.29
096	195.00	1.24
190	194.87	.98
693	193.00	.82
353	189.65	.82
202	193.50	.77
160	192.00	.56
017	191.50	.47
186	191.05	.40
021	190.80	.38
366	190.00	.28
726	189.53	.21
169	189.00	.18
Avg	188.37	
045	186.50	-.36
357	185.00	-.58
567	185.00	-.58

* X=Excluded from lab performance S/s=Screened Outlier R=Duplicate Range too large A=Analysis beyond 3-s limits

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index
--	Method 022.05	--
154	185.40	-.82
037	184.90	-.82
035	182.50	-.88
309	185.50	-.94
106	183.00	-1.00
042	180.00	-1.33
032	179.00 X	-1.58
294	174.35	-2.10
628	161.50 s	-4.01
616	120.00 s	-10.20
--	Method 022.99	--
607	202.48	1.09
692	198.00	.54
Avg	193.74	
721	189.50	-.68
121	185.00	-1.25
--	Method 023.01	--
619	0.0030	.00
--	Method 025.01	--
709	1499.3	2.43
208	1310.0	1.22
710	1308.0	1.20
619	1265.0	.97
669	1258.3	.89
098	1210.0	.58
656	1202.1	.53
014	1192.5	.50
175	1179.0	.40
720	1150.0 R	.37
563	1160.5	.35
548	1166.9	.31
004	1167.0	.31
689	1165.0	.30
354	1134.5	.22
648	1147.0	.18
350	1144.8	.18

Lab	Average*	Index
--	Method 025.01	--
Avg	1133.2	
529	1096.3	-.15
675	1097.7	-.18
038	1090.0	-.19
588	1087.0	-.22
307	1079.5	-.25
629	1017.5	-.66
596	1009.5	-.70
670	980.62	-.88
278	920.00	-1.27
505	897.00	-1.41
035	812.50	-1.95
591	730.53 s	-2.47
--	Method 025.03	--
083	1324.0	2.03
265	1238.5 R	1.45
208	1242.5	1.35
074	1208.0	1.09
414	1205.0	1.08
026	1188.0	.90
164	1179.5	.83
003	1131.5 R	.79
100	1172.5	.77
029	1162.0	.74
300	1161.0	.70
242	1143.0	.62
520	1113.5	.47
049	1133.0	.47
011	1097.6	.37
144	1099.0	.23
148	1102.0	.19
171	1080.0	.08
229	1086.0	.08
Avg	1078.3	
512	1064.5	-.12
553	1050.0	-.25
610	1048.0	-.26
407	1045.5	-.27

Lab	Average*	Index
--	Method 025.03	--
187	1042.1	-.30
550	1068.8	-.35
598	979.50	-.81
510	963.00	-.95
226	951.50 X	-1.04
560	933.50	-1.19
297	907.00	-1.41
701	806.00	-2.24
413	793.00	-2.35
159	633.00 s	-3.74
405	506.50 s	-4.70
--	Method 025.05	--
037	1143.5	1.80
628	1105.0	1.55
366	1054.0	1.23
668	1050.0	1.20
042	1033.5	1.13
199	997.35	.91
309	889.30 R	.45
017	917.50	.35
186	886.50	.26
045	888.00	.18
106	890.00	.18
021	886.50	.15
567	869.00	.09
Avg	862.66	
190	849.84	-.08
693	860.00	-.10
294	825.90	-.24
096	800.00	-.41
726	803.41	-.44
035	752.00	-.71
169	725.50	-.88
160	717.00	-.94
616	632.00	-1.47
353	577.70	-1.82
154	577.00	-1.86

Lab	Average*	Index
--	Method 025.99	--
607	1156.0	.86
Avg	1005.0	
692	854.00	-.87
121	0.1135 S	-5.70
--	Method 026.00	--
567	1.0000	1.09
Avg	0.9303	
610	0.9160	-.22
154	0.8750	-1.12
--	Method 026.99	--
011	0.4445	.87
Avg	0.2223	
619	0.0000	-.86
--	Method 027.01	--
263	1.1144 s	49.46
720	0.3200 s	2.88
709	0.3100	2.23
596	0.3100	2.23
130	0.2959 R	1.57
656	0.2950	1.38
669	0.2925	1.22
038	0.2875	.93
139	0.2873	.90
208	0.2870	.88
098	0.2850	.82
307	0.2800 R	.75
129	0.2728	.52
013	0.2770	.42
065	0.2750	.34
014	0.2755	.29
722	0.2755	.21
350	0.2732	.21
650	0.2736	.12
Avg	0.2720	
142	0.2700	-.12
646	0.2700	-.12

Lab	Average*	Index
--	Method 027.01	--
169	0.2700	-.12
505	0.2695	-.21
588	0.2655	-.39
141	0.2640	-.47
529	0.2650	-.50
619	0.2615	-.62
278	0.2600	-.70
675	0.2600	-.70
563	0.2580	-.89
548	0.2558	-.96
591	0.2500	-1.29
035	0.2500	-1.29
175	0.2450	-1.61
710	0.2400	-1.88
--	Method 027.03	--
003	0.3400 s	4.32
208	0.2985	1.87
425	0.2950	1.69
011	0.2922 R	1.69
300	0.2890	1.32
074	0.2850	1.12
520	0.2850	1.12
026	0.2840	1.03
550	0.2780	.81
265	0.2800	.78
294	0.2800	.78
164	0.2800	.78
413	0.2700	.62
226	0.2700	.62
171	0.2765	.58
100	0.2750	.57
049	0.2750	.57
083	0.2750	.57
144	0.2750	.50
512	0.2718	.42
560	0.2725	.35
187	0.2713	.27
610	0.2695	.22

* X=Excluded from lab performance S/s=Screened Outlier R=Duplicate Range too large A=Analysis beyond 3-s limits

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index
--	Method 027.03	--
Avg	0.2667	
407	0.2660	-.04
148	0.2630	-.22
229	0.2650	-.31
297	0.2600	-.40
029	0.2625	-.41
185	0.2595	-.43
553	0.2550	-.70
159	0.2550	-.70
414	0.2600	-.71
598	0.2550	-.75
405	0.2550	-.75
051	0.2550	-.75
567	0.2500	-.99
358	0.2500	-.99
510	0.2400	-1.58
242	0.2400	-1.58
168	0.2335	-1.96
701	0.2220	-2.64
--	Method 027.05	--
032	0.3000 s	2.32
042	0.2960	2.08
037	0.2800	1.07
199	0.2772	.90
027	0.2730	.67
190	0.2700	.45
357	0.2700	.45
366	0.2700	.45
726	0.2700	.45
160	0.2650	.23
Avg	0.2611	
154	0.2615	-.17
309	0.2615	-.22
021	0.2590	-.27
106	0.2575	-.33
186	0.2551	-.48
628	0.2550	-.49
353	0.2550 R	-.58

Lab	Average*	Index
--	Method 027.05	--
017	0.2550 R	-.58
616	0.2535	-.59
693	0.2535	-.59
096	0.2500	-.80
035	0.2500	-.80
202	0.2450 R	-1.15
110	0.2400	-1.42
045	0.2400	-1.42
668	0.2360	-1.67
--	Method 027.99	--
121	0.2835	1.27
692	0.2700	.88
Avg	0.2691	
607	0.2630	-.68
004	0.2600	-.80
--	Method 028.01	--
596	459.50	2.00
208	444.50	1.45
035	443.00	1.40
648	434.00	1.08
646	425.00	.77
505	422.50	.71
720	420.00	.68
098	422.50	.66
722	422.17	.65
178	419.50	.56
689	414.50	.38
563	410.80	.24
175	408.00	.20
278	408.00	.20
591	404.16	.12
590	406.50	.09
Avg	404.10	
350	401.50	-.11
038	403.50	-.16
548	398.79	-.19
669	398.51	-.34

Lab	Average*	Index
--	Method 028.01	--
709	393.82	-.37
307	400.00 R	-.49
354	390.30	-.51
620	387.39	-.60
656	395.45 R	-.66
014	384.00	-.74
675	376.53	-.99
588	375.50	-1.03
529	364.05	-1.44
619	360.50 R	-1.64
004	342.50	-2.22
629	338.00	-2.38
--	Method 028.03	--
003	452.50 s	3.22
208	435.50	2.40
074	413.00	1.39
560	414.00	1.36
297	411.50	1.23
185	409.00	1.11
229	406.00	.96
100	403.00	.86
414	388.50	.86
011	398.28	.76
083	401.00	.72
265	397.00	.68
049	387.12	.64
300	390.55	.41
164	394.50	.40
413	390.00	.23
187	389.62	.17
148	387.50	.14
Avg	386.23	
598	381.50	-.26
026	380.50	-.33
029	378.50	-.43
512	374.85	-.58
159	374.00	-.60
171	374.00	-.60

Lab	Average*	Index
--	Method 028.03	--
242	377.00	-.63
144	375.30	-.74
520	380.00	-.74
510	370.00	-.79
407	368.00	-.89
553	367.50	-.98
550	364.86	-1.16
226	365.00 X	-1.38
610	357.50	-1.43
405	341.00	-2.20
--	Method 028.05	--
294	462.00	2.52
366	435.00	1.11
035	430.00	.83
021	426.90	.66
027	426.30	.65
032	415.00 X	.63
096	425.00	.62
357	419.50	.52
628	422.50	.46
190	423.00	.46
202	422.50	.43
309	419.45	.42
106	421.00	.35
726	414.83	.29
042	419.50	.28
169	418.50	.23
160	416.00	.13
Avg	414.42	
567	407.50	-.37
017	407.50	-.37
693	405.00	-.52
186	402.00	-.76
045	402.50	-.80
353	395.00	-1.03
037	392.95	-1.15
616	379.00	-1.91
154	366.50	-2.54

Lab	Average*	Index
--	Method 028.05	--
668	347.50 s	-3.54
--	Method 028.99	--
692	418.00	.80
607	419.12	.48
Avg	405.71	
721	380.00	-1.27
121	0.0410 S	-14.42
--	Method 029.00	--
675	0.0035	.71
--	Method 030.00	--
307	161.50	.71
--	Method 031.00	--
620	1.0631	.71
--	Method 031.01	--
674	1.7150 s	13.88
633	1.2854	2.58
629	1.2800	2.49
108	1.2550 R	2.15
650	1.2400	1.83
529	1.2150	1.40
669	1.2135	1.40
619	1.1950	1.14
665	1.1950	1.06
035	1.1900	.98
653	1.1890	.96
001	1.1865	.94
621	1.1850	.90
599	1.1750	.77
607	1.1768	.76
658	1.1455 R	.75
027	1.1750	.73
263	1.1618	.50
626	1.1600	.47
722	1.1538	.38

* X=Excluded from lab performance S/s=Screened Outlier R=Duplicate Range too large A=Analysis beyond 3-s limits

AAFCO - Feed Check Sample No. - 200725 Beef Cattle Grower, Medicated

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
--	Method 031.01 --		--	Method 031.01 --		--	Method 031.05 --		--	Method 031.05 --		--	Method 032.01 --	
723	1.1500	.35	596	1.0500 R	-1.61	610	1.1700	.80	035	1.0900	-.56	010	1.5100 s	6.93
625	1.1446	.33	548	1.0265	-1.78	160	1.1535 R	.75	425	1.0850	-.64	674	1.4450 s	5.44
018	1.1500	.31	687	1.0200	-1.91	414	1.1600	.75	141	1.0870	-.67	141	1.3300 R	3.11
709	1.1500	.31	647	1.0000	-2.22	186	1.1615	.63	171	1.0750	-.84	036	1.2755	1.72
036	1.1465	.25	122	0.9650	-2.80	121	1.1625	.62	159	1.0660	-.95	720	1.2650	1.58
623	1.1446	.24				144	1.1600	.60	154	1.0799 R	-.97	656	1.2200 R	1.21
139	1.1405	.18	--	Method 031.02 --		560	1.1600	.60	685	1.0750 R	-.98	710	1.2500	1.17
010	1.1350	.10	004	1.1550	.93	309	1.1595	.60	187	1.0550	-1.13	035	1.2500	1.17
363	1.1350	.10	014	1.1245	.58	512	1.1570	.55	226	1.0550	-1.13	591	1.2350	1.13
233	1.1350	.10	505	1.1050	.17	049	1.1450	.52	353	1.0550 R	-1.26	139	1.2425	.99
039	1.1350	.05	Avg	1.0949		202	1.1550	.50	510	1.0450	-1.29	670	1.2300	.84
Avg	1.1318		013	0.9950	-1.51	598	1.1550	.50	668	1.0450	-1.29	205	1.2350	.83
019	1.1250	-.14	011	0.6400 s	-10.15	567	1.1500	.44	553	1.0400	-1.38	142	1.2250	.82
026	1.1250	-.14				110	1.1450	.41	550	1.0370	-1.48	307	1.2300	.71
710	1.1250	-.14	--	Method 031.03 --		413	1.1250	.40	242	1.0150	-1.79	013	1.2100	.52
679	1.1200	-.20	208	1.1450	1.33	164	1.1415	.29	682	0.9900	-2.18	208	1.2200	.51
169	1.1200	-.20	720	1.1150	.60	726	1.1410	.27	701	0.9885	-2.21	098	1.2200	.49
588	1.1200	-.20	047	1.1150	.27	051	1.1400	.25	089	0.9800	-2.34	175	1.2100	.35
656	1.1250	-.28	Avg	1.1100		407	1.1400	.25	028	0.7050 s	-6.79	612	1.2000	.23
563	1.1145	-.29	036	1.1050	-.19	037	1.1250	.08				Avg	1.1976	
354	1.1150	-.29	048	1.0700	-1.51	185	1.1260	.03	--	Method 031.06 --		505	1.1950	-.12
350	1.1139	-.30	307	1.0800 R	-2.19	Avg	1.1245		138	1.0850	.88	278	1.1900	-.17
142	1.1200	-.39				357	1.1200	-.07	Avg	1.0625		563	1.1895	-.24
038	1.1200	-.39	--	Method 031.05 --		645	1.1179	-.17	686	1.0400	-.86	508	1.1909	-.28
648	1.1100	-.40	168	1.8605 s	11.91	199	1.1125	-.21	536	0.9079 S	-5.91	001	1.1850	-.30
205	1.1050	-.46	003	1.2900	2.68	017	1.1100	-.23				529	1.1800	-.39
675	1.1050	-.46	616	1.2600	2.19	294	1.1100	-.23	--	Method 031.99 --		350	1.1787	-.46
178	1.1300	-.50	693	1.2360	1.81	148	1.1100	-.23	631	1.6600 s	13.41	650	1.1750	-.51
098	1.1150	-.51	074	1.2050	1.32	265	1.1100	-.28	724	1.1900	.92	019	1.1650	-.73
689	1.1000	-.56	096	1.2000	1.22	100	1.1055	-.32	676	1.1820	.84	038	1.1600	-.83
622	1.0922	-.67	021	1.1960	1.16	297	1.1050	-.33	692	1.1700	.66	548	1.1702	-.95
152	1.0900	-.72	032	1.1950	1.14	029	1.1030	-.37	Avg	1.1553		675	1.1500	-1.07
175	1.0900	-.72	366	1.1950	1.14	045	1.1100	-.40	673	1.1550	-.13	065	1.1575	-1.16
278	1.0850	-.83	405	1.1900	1.07	358	1.1000	-.43	590	1.1450	-.72	039	1.1265	-1.57
065	1.0775	-.93	520	1.1500 R	.91	298	1.1000	-.43	552	1.0900	-1.73	130	1.1240	-1.71
130	1.0760	-.98	208	1.1760	.84	106	1.0950	-.48	588	0.8800 s	-7.30	354	1.0900	-2.38
034	1.0700	-1.05	042	1.1750	.82	083	1.0950	-.48				619	1.0750 A	-2.87
646	1.0700	-1.09	628	1.1750	.82	300	1.0985	-.52				631	1.0250 S	-3.81
651	1.0630	-1.16	190	1.1750	.82	229	1.0900	-.56				004	0.9550 s	-5.43

* X=Excluded from lab performance S/s=Screened Outlier R=Duplicate Range too large A=Analysis beyond 3-s limits

AAFCO - Feed Check Sample No. - 200725 Beef Cattle Grower, Medicated

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index
--	Method 032.02 --	
665	1.2950	1.35
129	1.2590	.96
669	1.2615	.92
588	1.2115	.23
Avg	1.1953	
590	1.1700	-.42
108	1.1450	-.98
629	1.1200	-1.07
169	1.1000	-1.25
--	Method 032.05 --	
685	1.8400 s	10.41
003	1.5700 s	5.78
226	1.5600 s	5.58
051	1.3950	2.75
083	1.3650	2.24
616	1.3250	1.56
510	1.3200	1.45
693	1.3135	1.40
567	1.3050	1.20
560	1.3000	1.16
190	1.3000	1.12
096	1.3000	1.11
550	1.2895	1.07
242	1.2950	1.06
144	1.2900	.94
520	1.2500 R	.90
294	1.2850	.86
027	1.2725	.65
645	1.2650	.60
202	1.2700	.59
160	1.2695	.59
413	1.2650	.57
110	1.2650	.52
726	1.2650	.52
021	1.2630	.49
121	1.2530	.46
100	1.2600	.46
154	1.2441	.44

Lab	Average*	Index
--	Method 032.05 --	
199	1.2495	.27
407	1.2500	.25
187	1.2500	.25
028	1.2400	.19
159	1.2385	.09
Avg	1.2354	
164	1.2255	-.17
414	1.2300	-.20
017	1.2300	-.20
366	1.2250	-.20
148	1.2200	-.27
037	1.2250	-.31
357	1.2200	-.32
045	1.2200	-.32
185	1.2160	-.33
026	1.2300	-.36
168	1.2165	-.42
011	1.2342	-.47
425	1.2050	-.53
106	1.2050	-.53
265	1.2100	-.56
610	1.2050	-.58
035	1.2000	-.61
171	1.1950	-.70
300	1.1985	-.72
512	1.2010	-.76
297	1.1900	-.80
186	1.1905	-.82
309	1.1890	-.91
208	1.1770	-1.01
229	1.1750	-1.04
042	1.1800	-1.08
405	1.1600	-1.34
668	1.1550	-1.39
029	1.1500	-1.60
358	1.1400	-1.65
628	1.1300	-1.82
049	1.1295	-1.82
353	1.1150	-2.11

Lab	Average*	Index
--	Method 032.99 --	
692	1.3150	1.23
074	1.2850	.52
Avg	1.2572	
047	1.2400	-.36
607	1.1888	-1.26
--	Method 033.00 --	
675	4.2000	1.54
674	4.1600	1.32
621	4.1550	1.29
045	4.1000	1.02
625	3.9896 R	.74
567	3.9850	.48
309	3.9750	.39
366	3.9300	.34
689	3.9550	.32
693	3.9300	.21
588	3.9300	.17
034	3.9100	.12
208	3.9100	.08
Avg	3.8968	
038	3.8700	-.17
298	3.8600	-.19
160	3.8500	-.24
539	3.8050	-.59
407	3.7400	-.78
353	3.7600	-.79
628	3.5300	-1.89
679	3.3800	-2.59
653	3.3050 S	-2.96
685	2.5400 s	-6.79
297	2.2400 s	-8.30
596	2.0000 s	-9.50
--	Method 033.01 --	
425	4.3100 s	5.49
710	4.3000 s	5.32
226	4.3000 s	5.32
019	4.0950	1.86

Lab	Average*	Index
--	Method 033.01 --	
202	4.0900	1.72
039	4.0570	1.16
035	4.0550	1.13
610	4.0500	1.09
307	3.9950 R	.95
629	4.0200	.86
021	3.9900 R	.86
242	4.0300	.69
026	4.0250	.66
096	4.0100	.62
010	4.0150	.61
278	4.0200	.52
178	4.0200	.52
164	4.0200	.52
205	4.0150	.45
175	4.0100	.39
004	4.0050	.28
354	3.9950	.27
042	3.9900	.17
098	3.9950	.13
229	3.9950	.13
Avg	3.9895	
559	3.9850	-.11
011	3.9814	-.15
001	3.9755	-.26
199	3.9750	-.26
100	3.9700	-.38
413	3.9800	-.38
510	3.9650	-.43
590	3.9700	-.61
185	3.9440	-.79
194	3.9350	-.94
686	3.9250	-1.11
633	3.9170	-1.24
709	3.9115	-1.44
029	3.8650	-2.13
650	3.8250 A	-2.88
106	3.8200	-2.92
140	3.7500 s	-4.11

Lab	Average*	Index
--	Method 033.01 --	
028	3.5850 s	-6.94
--	Method 033.03 --	
159	8.4050 s	13.41
598	6.2800 S	6.75
529	5.3000 S	3.68
726	4.9500 S	2.59
190	4.5850 S	1.45
144	4.4300	.96
Avg	4.0325	
505	4.0500	-.28
048	4.0000	-.39
014	3.9775	-.68
265	3.7050	-1.34
122	0.5100 s	-11.32
--	Method 033.05 --	
171	3.8850	.71
--	Method 033.99 --	
051	4.2850	1.28
552	4.1850	.83
536	4.0455 R	.65
607	4.0045	.06
Avg	3.9974	
723	3.9550	-.20
673	3.9500	-.31
630	3.6050	-1.74
623	2.7286 S	-5.63
619	1.5000 S	-11.08
--	Method 034.01 --	
038	2.4250	1.00
560	2.0150	.09
Avg	1.9867	
668	1.5200	-1.22

* X=Excluded from lab performance S/s=Screened Outlier R=Duplicate Range too large A=Analysis beyond 3-s limits

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index
--	Method 034.04	--
619	2.8800	1.17
610	2.4100	.58
026	2.3100	.45
164	2.3000	.44
169	2.1550	.26
171	2.1200	.22
010	2.0750	.16
Avg	1.9528	
208	1.2000	-.95
190	0.1250	-2.31
--	Method 034.05	--
567	4.6000 s	3.94
693	2.8750 R	1.47
309	3.1250	1.44
154	2.4000	.43
414	2.1000	.02
Avg	2.0838	
047	1.7540	-.45
685	1.0400	-1.43
--	Method 034.99	--
096	2.0000	.69
721	1.9300	.62
Avg	1.4883	
159	0.5350	-1.28
--	Method 035.00	--
142	1.6550 s	2.27
122	1.6750	2.19
263	1.6500	1.96
098	1.5150	.75
722	1.5112	.68
233	1.5050	.64
175	1.5050	.63
208	1.5000	.58
278	1.4750	.35
650	1.4650	.26
205	1.4650	.26
--	Method 035.00	--
720	1.4500	.22
354	1.4550	.17
307	1.4500	.15
648	1.4405	.03
Avg	1.4373	
035	1.4350	-.05
038	1.4200	-.18
619	1.4150	-.21
670	1.4100	-.27
656	1.4250 R	-.43
658	1.3875	-.50
152	1.3800	-.56
529	1.3750	-.58
139	1.3525	-.84
548	1.3357 R	-1.01
591	1.3050	-1.23
675	1.2150	-2.05
363	1.1750	-2.42
130	1.0350 s	-3.71
--	Method 035.01	--
686	1.5250	1.37
647	1.4300	.16
Avg	1.4238	
563	1.4050	-.26
138	1.3350	-1.24
--	Method 035.03	--
003	1.8400 s	6.05
560	1.6850 s	3.72
037	1.6750 s	3.56
208	1.5830	2.18
202	1.5300	1.45
199	1.5315	1.40
011	1.4999	1.07
144	1.5000	.93
726	1.4975	.92
096	1.5000	.92
154	1.4926	.89
--	Method 035.03	--
021	1.4935	.82
366	1.4900	.78
159	1.4875	.73
110	1.4850	.70
610	1.4800	.64
017	1.4800	.64
353	1.4790	.62
042	1.4750	.59
051	1.4700	.47
413	1.4600	.44
414	1.4650	.40
187	1.4650	.40
083	1.4450	.39
186	1.4594	.37
668	1.4600	.35
100	1.4550	.33
049	1.4600	.32
164	1.4575	.28
425	1.4500	.22
693	1.4490	.19
229	1.4450	.12
148	1.4400	.01
Avg	1.4390	
628	1.4350	-.10
185	1.4380	-.14
510	1.4275	-.17
309	1.4240	-.23
045	1.4200	-.29
298	1.4200	-.32
550	1.4205	-.41
035	1.4250	-.43
520	1.4000	-.59
226	1.4000	-.59
297	1.4000	-.59
171	1.4000	-.61
553	1.4000	-.66
405	1.3900	-.80
567	1.3850	-.82
029	1.3865 R	-1.03
--	Method 035.03	--
645	1.3554	-1.26
598	1.3500	-1.34
089	1.3400	-1.50
358	1.3300 R	-1.75
300	1.3495 R	-2.15
616	1.2700	-2.55
242	1.2550	-2.78
701	1.2500	-2.85
682	1.2000 s	-3.61
265	1.0300 s	-6.18
--	Method 035.05	--
590	1.4900	1.40
588	1.4680	.78
Avg	1.4496	
129	1.4450	-.38
294	1.4250	-.87
169	1.4200	-1.02
108	1.2550 R	-6.99
160	1.0512 S	-13.77
665	0.8900 S	-19.34
--	Method 035.99	--
596	1.8000 S	1.83
724	1.6400	.78
692	1.5950	.54
Avg	1.5213	
607	1.3288	-1.27
588	0.7550 S	-5.04
--	Method 036.00	--
307	0.6200	1.16
Avg	0.6050	
297	0.5900	-.41
--	Method 036.03	--
169	0.6800	1.73
186	0.6782	1.70
021	0.6400	1.01
--	Method 036.03	--
708	0.6365	.97
560	0.6165	.59
366	0.6000	.29
693	0.5940	.19
171	0.5870	.12
202	0.5900	.11
Avg	0.5837	
357	0.5750	-.18
294	0.5800	-.19
187	0.5689	-.27
160	0.5665	-.31
353	0.5550	-.52
042	0.5520	-.57
154	0.5520 R	-.79
045	0.5350	-.91
265	0.4800	-1.86
616	0.4715	-2.01
550	0.3160 s	-4.79
--	Method 036.04	--
414	0.5550	.88
226	0.5450	.45
Avg	0.5367	
510	0.5100	-1.23
--	Method 037.01	--
674	900.00 s	7.99
591	861.95 s	4.97
178	778.50 R	2.97
014	769.00 R	2.61
620	768.75	2.37
722	742.32	1.66
675	727.37	1.25
653	725.04	1.21
208	716.00	.95
656	713.89	.90
307	698.50	.50
590	696.35	.42
529	693.75	.39

* X=Excluded from lab performance S/s=Screened Outlier R=Duplicate Range too large A=Analysis beyond 3-s limits

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index
--	Method 037.01	--
689	694.00	.36
038	693.50	.35
596	688.00	.24
648	681.50	.04
Avg	680.83	
098	678.50	-.07
619	672.50	-.23
669	674.41	-.26
505	675.00	-.43
013	662.50	-.52
350	660.15	-.57
278	661.15	-.61
175	656.50	-.69
004	647.00	-.92
563	645.90	-.95
710	641.00	-1.07
548	638.67	-1.14
354	628.75	-1.40
588	601.50	-2.14
720	500.00 s	-5.56
035	520.00 s	-5.92

Lab	Average*	Index
--	Method 037.03	--
003	782.00 s	3.37
265	767.50 s	3.29
208	724.00	1.86
413	694.50	1.14
560	690.50	1.06
083	689.00	1.01
074	689.00	1.00
185	685.00	.91
414	682.00	.87
300	680.95	.81
510	679.50	.77
297	675.50	.68
229	672.00	.59
029	669.90	.55
011	663.90	.54
100	670.00	.54

Lab	Average*	Index
--	Method 037.03	--
520	658.00 R	.50
049	656.84	.30
171	657.50	.27
Avg	647.75	
026	644.50	-.08
187	639.44	-.20
144	637.10	-.34
148	623.50	-.60
598	622.50	-.61
168	617.00	-.75
610	611.50	-.88
164	608.50	-.95
553	608.00	-.97
512	606.65	-1.00
550	608.19	-1.02
159	605.00	-1.04
226	582.50 X	-1.60
358	553.60 R	-2.33
701	538.00	-2.67
242	480.00 s	-4.08
405	394.50 s	-6.16

Lab	Average*	Index
--	Method 037.05	--
035	846.00 s	3.75
628	773.50	1.99
032	745.00 X	1.31
042	735.50	1.08
017	732.50	1.02
186	729.50	.92
169	715.50	.59
027	713.93	.55
366	710.50	.47
202	705.50	.36
309	702.35	.27
096	700.00	.21
106	694.50	.20
021	695.50	.10
Avg	691.45	
190	690.39	-.03

Lab	Average*	Index
--	Method 037.05	--
726	687.90	-.09
199	687.00	-.12
567	687.00	-.16
357	685.50	-.17
693	691.00	-.17
045	683.50	-.26
160	668.50	-.56
154	663.00	-.74
037	659.60	-.77
294	629.70	-1.50
616	623.00	-1.66
353	567.85	-3.00
668	515.00 s	-4.28

Lab	Average*	Index
--	Method 037.99	--
721	769.00	1.21
607	738.85	.53
Avg	715.46	
121	690.00	-.59
692	664.00	-1.18

Lab	Average*	Index
--	Method 038.00	--
159	4.8500 s	11.05
011	2.1423 R	2.12
154	2.2500	1.31
169	2.2000	1.12
096	2.0000	.39
560	1.9100	.19
Avg	1.8943	
045	1.7500	-.56
510	1.6000	-1.07
021	1.5500	-1.37

Lab	Average*	Index
--	Method 038.99	--
164	2.7500	.85
Avg	2.6725	
721	2.5950	-.88

Lab	Average*	Index
--	Method 039.01	--
164	17.750	.71

Lab	Average*	Index
--	Method 039.02	--
021	22.050	1.11
154	21.150	.79
011	19.877	.44
Avg	19.043	
045	18.250	-.34
560	18.850	-.48
567	14.080	-1.76

Lab	Average*	Index
--	Method 040.00	--
560	8.3550	-.71

Lab	Average*	Index
--	Method 041.00	--
011	4.5473	1.00
021	4.4000	.75
Avg	3.9206	
154	3.6500	-.47
560	3.0850	-1.31

Lab	Average*	Index
--	Method 065.00	--
028	283.50	1.30
035	275.05	.33
Avg	270.29	
027	267.10	-.22
029	255.50	-1.29

Lab	Average*	Index
--	Method 065.01	--
013	282.15	1.24
Avg	271.18	
036	265.50	-.65
027	265.90	-.74

Lab	Average*	Index
--	Method 065.03	--
610	365.00	1.36
047	351.55	1.12
001	335.23	.77
Avg	301.07	

Lab	Average*	Index
--	Method 065.03	--
003	283.20	-.39
218	266.20	-.74
038	257.00	-.94
026	249.30	-1.10

Lab	Average*	Index
--	Method 065.99	--
033	269.00	.84
Avg	252.50	
171	236.00	-.89

Lab	Average*	Index
--	Method 103.00	--
567	6.3000	-.71

Lab	Average*	Index
--	Method 104.00	--
208	5.8300	.71

Lab	Average*	Index
--	Method 106.00	--
019	33.655	1.12
Avg	32.603	
171	31.550	-.50

Lab	Average*	Index
--	Method 106.02	--
616	51.505 s	2.93
670	52.860	2.86
675	45.720	1.94
003	40.500	1.22
039	40.700	1.22
199	37.650	.81
676	36.280	.65
619	33.400	.28
035	33.325	.23
Avg	31.684	
028	30.682	-.14
610	30.550	-.28
034	29.560	-.29
027	28.919	-.37
563	28.869	-.38
010	28.850	-.40
004	27.455	-.57

* X=Excluded from lab performance S/s=Screened Outlier R=Duplicate Range too large A=Analysis beyond 3-s limits

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index
--	Method 106.02	--
208	27.450	-.57
021	27.700	-.58
096	27.480	-.65
038	27.450	-.65
014	26.640	-.69
017	27.600	-.72
033	25.840	-.87
560	22.700	-1.22
160	22.230	-1.29
--	Method 106.99	--
029	25.000	.71
--	Method 108.02	--
208	4.0550	.61
675	3.9750	.24
Avg	3.9200	
676	3.7300	-1.44
--	Method 109.02	--
199	27.750 s	7.10
610	9.1100	1.16
560	8.5900	.99
675	5.7250	.09
Avg	5.4861	
563	4.8665	-.20
676	4.6250	-.27
208	3.9350 R	-.50
619	0.0000	-1.75
--	Method 120.00	--
652	1.3100 R	1.62
571	1.3300	1.20
350	1.3265	1.16
619	1.3200	.85
Avg	1.3077	
160	1.3030	-.27
644	1.2985	-.50
676	1.2905	-1.12
--	Method 120.00	--
662	1.2857	-1.19
684	1.2175 s	-4.90
--	Method 120.05	--
626	1.3350	.71
--	Method 121.00	--
644	1.2125	1.32
571	1.1950	1.00
652	1.1850	.94
662	1.1621	.41
350	1.1515	.21
Avg	1.1403	
676	1.1275	-.47
684	1.0915	-.90
160	1.0822	-1.06
619	1.0550	-1.58
--	Method 121.05	--
626	1.4050 S	.00
--	Method 122.00	--
619	1.7200	2.06
038	1.6350 R	1.29
652	1.5900	.55
644	1.5905	.50
571	1.5800	.40
Avg	1.5483	
662	1.5190	-.35
676	1.5185	-.36
350	1.5165	-.38
684	1.4875	-.73
160	1.4125	-1.62
--	Method 122.05	--
626	1.5650	.71
--	Method 124.00	--
684	0.6785	1.72
038	0.6740 R	1.70
160	0.6637	1.46
Avg	0.5745	
662	0.5728	-.07
652	0.5650	-.18
571	0.5485	-.43
644	0.5300	-.73
619	0.5210	-.88
350	0.5165	-.95
--	Method 124.02	--
676	0.5425	.71
--	Method 124.05	--
610	0.5550	.71
--	Method 125.00	--
652	2.8450 s	4.32
571	2.7700	1.18
662	2.7647	.98
644	2.7495	.38
Avg	2.7405	
160	2.7305	-.38
350	2.7145	-.99
619	2.7400	-1.14
684	2.7140	-1.26
676	2.5590 s	-6.92
--	Method 125.05	--
626	2.8000 S	.00
--	Method 126.00	--
652	1.2250	1.05
571	1.2300	1.00
619	1.2100	.59
350	1.2075	.49
644	1.2040	.44
662	1.2034	.41
--	Method 126.00	--
Avg	1.1854	
676	1.1485	-.84
684	1.1375	-1.15
160	1.1029	-1.85
--	Method 126.05	--
626	1.3450	-.71
--	Method 127.00	--
676	0.5665	1.70
160	0.5062	.71
662	0.4913	.46
652	0.4850	.36
571	0.4810	.31
644	0.4720	.14
Avg	0.4634	
684	0.4060	-.95
350	0.3950	-1.13
619	0.3680	-1.57
--	Method 127.05	--
626	0.5100	.71
--	Method 128.00	--
644	0.8560	1.16
662	0.8450	.89
571	0.8430	.84
652	0.8250	.54
Avg	0.8088	
684	0.8080	-.39
350	0.7900	-.47
676	0.7590	-1.22
160	0.7442	-1.59
619	0.5375 s	-6.65
--	Method 128.05	--
626	0.9300	.71
--	Method 129.00	--
644	1.7840	1.19
571	1.7800	1.13
652	1.7500	.81
350	1.7495	.66
662	1.7167	.23
Avg	1.7056	
619	1.6650	-.65
684	1.6670	-.73
160	1.6432	-.94
676	1.5955	-1.67
--	Method 129.05	--
626	1.8650	-.71
--	Method 130.00	--
038	0.9545 R	1.39
571	0.9500	1.12
350	0.9405	.92
160	0.9362	.83
644	0.9255	.62
676	0.8975	.13
652	0.8950	.10
Avg	0.8934	
662	0.8542	-.82
619	0.8490	-.87
684	0.7925	-1.96
--	Method 130.05	--
610	0.9650	.41
Avg	0.9425	
626	0.9200	-1.15
--	Method 131.00	--
571	0.2705 R	1.51
644	0.2585	.96
160	0.2548	.86
350	0.2470	.64
038	0.2445	.63
652	0.2250	.14

* X=Excluded from lab performance S/s=Screened Outlier R=Duplicate Range too large A=Analysis beyond 3-s limits

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index
--	Method 131.00	--
662	0.2272	.10
Avg	0.2240	
619	0.1715	-1.45
684	0.1635	-1.71
--	Method 131.02	--
676	0.2850	-.71
--	Method 131.05	--
626	0.3200	.88
Avg	0.2850	
610	0.2500	-.85
--	Method 132.00	--
350	0.9505	1.22
571	0.9490	1.21
644	0.9450	1.08
652	0.9100	.54
160	0.9033	.05
Avg	0.9018	
619	0.8765	-.70
662	0.8693	-.83
676	0.8570	-1.13
684	0.8555	-1.28
--	Method 132.05	--
626	1.0350 S	.00
--	Method 133.00	--
160	1.7650	1.45
571	1.7600	1.38
644	1.6885	.31
Avg	1.6685	
662	1.6467	-.52
676	1.6310	-.57
684	1.6220	-.71
652	1.6300	-1.07
619	1.6050	-1.09
--	Method 133.05	--
626	1.7600	.71
--	Method 134.00	--
619	1.5850	2.51
038	1.4445 R	1.19
571	1.4150	.66
Avg	1.3572	
160	1.3337	-.26
350	1.3325	-.27
662	1.3340	-.28
652	1.3150	-.49
644	1.3110	-.51
684	1.3050	-.62
676	1.2840	-.82
--	Method 134.05	--
626	1.5700	.71
--	Method 135.00	--
038	0.9705 R	1.67
350	0.9760	1.26
571	0.9755	1.26
644	0.9705	1.10
652	0.9400	.20
Avg	0.9332	
662	0.9322	-.17
160	0.9190	-.42
676	0.8985	-1.05
619	0.8940	-1.17
684	0.8930	-1.19
--	Method 135.05	--
626	1.0500	.87
Avg	1.0000	
610	0.9500	-.86
--	Method 136.00	--
662	0.2199	.87
Avg	0.2072	
684	0.1945	-.87
--	Method 136.01	--
160	0.2269	.94
Avg	0.2127	
644	0.1985	-.79
--	Method 136.99	--
504	0.1300	.00
610	1.8700 S	.00
Avg	0.1300	
--	Method 137.00	--
662	0.7607	1.97
160	0.6849	.39
Avg	0.6682	
684	0.6525	-.34
350	0.6435	-.53
644	0.6390	-.61
676	0.6285	-.83
--	Method 137.05	--
626	0.7100	.71
--	Method 138.00	--
644	1.2910	1.55
662	1.2523	.90
571	1.2400	.77
350	1.2000	.27
Avg	1.1989	
652	1.1900	-.23
676	1.1620	-.64
160	1.1308	-1.15
684	1.1255	-1.36
619	0.9300 s	-4.57
--	Method 138.05	--
626	1.3350	.71
--	Method 300.01	--
658	8.7500	.85
Avg	6.6500	
651	4.5500	-.88

* X=Excluded from lab performance S/s=Screened Outlier R=Duplicate Range too large A=Analysis beyond 3-s limits

Method Evaluation - Z Values Based on 1 Reports

Method Code	Number Of Labs	Avg Bias of Labs	Std Dev of Biases	Std Dev Within Labs	Method Code	Number Of Labs	Avg Bias of Labs	Std Dev of Biases	Std Dev Within Labs
000.01	4	0.1068	0.94	0.01	008.99	5	0.0000	1.05	0.14
000.02	2	0.0000	1.22	0.00	009.07	15	0.0491	1.00	0.21
000.99	2	0.0000	1.22	0.02	009.09	17	0.3838	1.42	0.49
001.00	9	0.1557	1.07	0.09	009.99	2	0.0000	1.21	0.11
001.03	3	0.0000	1.11	0.08	010.11	10	1.2348	4.02	0.17
001.07	46	0.0469	1.00	0.18	010.99	14	0.0173	0.98	0.12
001.99	16	0.1900	1.24	0.11	011.01	73	-0.1478	1.20	0.14
002.00	4	-1.6777	3.48	0.88	011.99	2	0.0000	1.18	0.24
002.01	10	-0.0131	0.96	0.26	012.00	9	0.0000	1.02	0.11
002.02	9	0.3165	1.35	0.07	012.01	2	0.0000	0.79	0.66
002.03	2	0.0000	0.00	0.00	012.03	3	0.0000	1.10	0.17
002.04	5	0.0000	1.05	0.11	012.04	6	0.0991	0.98	0.23
002.05	23	0.8461	7.29	9.47	013.02	20	0.1805	1.17	0.58
002.06	126	0.2394	2.07	0.51	013.10	18	0.2383	1.31	0.13
002.08	7	0.0000	1.04	0.10	015.00	11	0.0000	1.02	0.09
002.10	8	-0.0241	0.96	0.12	016.00	2	0.0000	1.12	0.36
002.11	13	1.4903	5.82	0.24	017.00	6	0.0000	1.04	0.10
002.99	5	0.0000	1.04	0.19	018.02	4	0.0000	0.86	0.56
003.00	30	2.1793	9.39	0.20	019.00	16	-0.0126	0.98	0.19
003.06	29	0.3788	1.87	0.18	019.01	59	-0.1355	1.65	0.46
003.09	31	-0.0179	0.97	0.19	019.03	4	0.0000	1.07	0.10
003.10	35	0.3543	1.52	0.25	019.05	44	0.1291	2.26	0.26
003.11	13	-0.0735	1.01	0.06	019.08	6	1.4285	3.62	0.13
003.12	6	0.0197	0.93	0.57	019.09	29	-0.8172	5.91	0.40
003.13	3	0.0000	1.10	0.16	019.99	7	0.0000	1.01	0.22
003.14	13	0.4036	1.73	0.53	020.00	2	0.0000	1.22	0.00
003.99	10	0.7916	2.68	0.13	020.01	8	0.0000	0.95	0.39
004.00	31	0.7352	4.81	0.67	020.99	2	0.0000	1.16	0.28
004.01	2	0.0000	0.61	0.75	021.01	4	0.0000	1.08	0.09
004.03	4	0.0000	0.94	0.46	021.02	14	0.0000	0.99	0.22
004.06	34	0.2519	2.14	0.20	021.99	4	0.0000	0.67	0.73
004.07	42	0.1432	1.18	0.13	022.01	36	-0.2215	1.52	0.39
004.11	12	0.1076	3.10	0.10	022.03	36	-0.1845	1.20	0.41
004.99	6	0.0000	1.04	0.13	022.05	28	-0.3549	2.39	0.41
005.00	134	-0.1376	1.63	0.24	022.99	4	0.0000	0.98	0.39
005.11	9	-0.6444	6.36	0.52	025.01	29	0.0068	0.99	0.12
005.99	12	0.0504	0.99	0.17	025.03	34	-0.1941	1.40	0.26
008.02	14	-0.0917	1.02	0.30	025.05	24	0.0071	0.98	0.17
008.08	20	-0.1618	1.31	0.83	025.99	3	-1.9004	3.40	0.10

Method Evaluation - Z Values Based on 1 Reports

Method Code	Number Of Labs	Avg Bias of Labs	Std Dev of Biases	Std Dev Within Labs
026.00	3	0.0000	1.00	0.41
026.99	2	0.0000	1.22	0.07
027.01	35	1.5474	8.41	0.26
027.03	41	0.1419	1.18	0.28
027.05	26	-0.0799	0.98	0.14
027.99	4	0.0000	0.92	0.49
028.01	32	-0.0634	0.99	0.20
028.03	34	0.0946	1.07	0.37
028.05	27	-0.1308	1.17	0.25
028.99	4	-3.6057	7.24	0.56
031.01	63	0.1702	1.59	1.26
031.02	5	-1.3585	3.17	3.38
031.03	6	-0.1882	1.02	0.81
031.05	72	0.0466	1.89	0.24
031.06	3	-1.9595	3.50	0.37
031.99	8	0.7592	5.75	0.52
032.01	38	0.1024	2.09	0.48
032.02	8	0.0000	0.95	0.38
032.05	66	0.3330	1.85	0.28
032.99	4	0.0000	1.01	0.34
033.00	25	-1.0833	2.91	0.21
033.01	43	0.0555	2.14	0.32
033.03	11	1.3726	5.98	0.21
033.99	9	-1.8320	4.02	0.23
034.01	3	0.0000	1.03	0.36
034.04	9	0.0000	1.03	0.04
034.05	7	0.6468	1.56	0.82
034.99	3	0.0000	1.11	0.11
035.00	29	-0.0949	1.23	0.25
035.01	4	0.0000	1.06	0.19
035.03	59	-0.0042	1.70	0.30
035.05	8	-4.9797	7.70	0.71
035.99	5	-0.6409	2.70	0.11
036.00	2	0.0000	0.57	0.77
036.03	20	-0.2679	1.43	0.17
036.04	3	0.0000	1.09	0.19
037.01	33	0.1995	2.08	1.32
037.03	36	-0.1695	1.75	0.34
037.05	28	-0.0190	1.46	0.11
037.99	4	0.0000	1.06	0.17
038.00	9	1.2998	3.68	1.04
038.99	2	0.0000	1.01	0.49
039.02	6	0.0000	0.99	0.31
041.00	4	0.0000	1.04	0.24
065.00	4	0.0000	0.82	0.61
065.01	3	0.0000	1.08	0.25
065.03	7	0.0000	1.02	0.17
065.99	2	0.0000	1.16	0.27
106.00	2	0.0000	0.55	0.77
106.02	25	0.1072	1.11	0.31
108.02	3	0.0000	0.72	0.70
109.02	8	0.8257	2.69	0.05
120.00	9	-0.5265	1.82	0.67
121.00	9	0.0000	1.00	0.23
122.00	10	0.1033	1.02	0.27
124.00	9	0.1811	1.11	0.18
125.00	9	-0.3242	2.88	0.78
126.00	9	0.0000	0.99	0.26
127.00	9	0.0000	1.03	0.07
128.00	9	-0.7383	2.41	0.19
129.00	9	0.0000	1.00	0.24
130.00	10	0.1187	1.03	0.27
130.05	2	0.0000	0.57	0.77
131.00	9	0.1429	1.05	0.31
131.05	2	0.0000	1.20	0.17
132.00	9	0.0000	0.99	0.29
133.00	8	0.0000	0.94	0.40
134.00	10	0.0959	1.01	0.26
135.00	10	0.1099	1.02	0.42
135.05	2	0.0000	1.21	0.12
136.00	2	0.0000	1.22	0.04
136.01	2	0.0000	1.11	0.37
136.99	2	0.0000	0.00	0.00
137.00	6	0.0000	1.03	0.18
138.00	9	-0.5031	1.77	0.33