Feed Check Sample No. - 200925 Beef Cattle Grower, Medicated
Association of American Feed Control Officials

Method	AOAC 18th	Method Code	- Pass 1 Results for 208 Labs - No. of Labs	Grand Avg.	Std. Dev.	Average Range of Dups	- Pass 2 Results for 206 Labs - No. of Labs	Grand Avg.	Std. Dev.	Average Range of Dups
NPN, Urea + Am, Urease Method.....	941.04	000.01	4	19.2288	0.08999	0.07250	4	19.2288	0.08999	0.07250
Urea, as Protein Colorimetric	967.07	000.02	1	6.50000	0.00000	0.00000	1	6.50000	0.00000	0.00000
NPN, Automated		000.03	1	24.7350	0.06364	0.09000	1	24.7350	0.06364	0.09000
Urea, Misc		000.99	3	10.8633	6.98368	0.24667	3	10.8633	6.98368	0.24667
Method Group 000.XX PCT			9	15.6378	6.92977	0.12444	9	15.6378	6.92977	0.12444
Loss on Drying, Vac 95 deg 5 hr	934.01	001.00	9	7.28000	1.42838	0.17333	10	7.67700	1.82236	0.18600
Loss on Drying, ISO 6496		001.03	5	6.08160	0.82450	0.13280	5	6.08160	0.82450	0.13280
Loss on Drying, LECO		001.05	1	5.69000	0.00000	0.00000	1	5.69000	0.00000	0.00000
Loss on Drying, 104 deg 3 hr, in malt .	935.29	001.07	37	6.55500	0.74983	0.16622	36	6.55375	0.75731	0.14861
Loss on Drying, 102 deg 16 hr, in meat	950.46	001.08	1	6.84500	0.07778	0.11000	1	6.84500	0.07778	0.11000
Loss on Drying, Misc		001.99	16	6.82344	1.01586	0.13688	16	6.82344	1.01586	0.13688
Method Group 001.XX PCT			69	6.66917	0.96553	0.15470	68	6.67019	0.97140	0.14521
Protein, Crude	954.01	002.00	5	40.1590	0.58838	0.26200	5	40.1590	0.58838	0.26200
Protein, Auto Kjel-Foss	976.05	002.01	8	40.3368	0.34404	0.22300	8	40.3368	0.34404	0.22300
Protein, Semiauto Autoanalyzer	976.06	002.02	6	40.4508	0.40092	0.19917	6	40.4508	0.40092	0.19917
Protein, Hach Method		002.03	1	40.1650	0.96874	1.37000	1	40.1650	0.96874	1.37000
Protein, Copper Cat	984.13	002.04	4	40.4475	0.83014	0.19000	6	39.7092	1.27657	0.15500
Protein, Copper, Boric Acid		002.05	18	40.1262	0.56525	0.25666	18	40.1262	0.56525	0.25666
Protein, Combustion Nitrogen Analyzer	990.03	002.06	120	40.8777	0.31799	0.15711	114	40.8796	0.30585	0.12636
Protein, Cu/Ti	988.05	002.08	4	40.1783	0.70506	0.15000	5	39.8026	1.00695	0.13000
Protein, Block dig/distillation		002.10	10	40.2440	0.36350	0.15400	9	40.3106	0.30202	0.10778
Protein, NIR		002.11	8	39.8086	0.55093	0.23225	10	39.5349	0.74514	0.19380
Protein, Misc		002.99	6	40.4817	0.99460	0.10667	6	40.4817	0.99460	0.10667
Method Group 002.XX PCT			190	40.6329	0.54701	0.18174	183	40.6315	0.54359	0.16126
Fat, Eth Ext, Direct	920.39	003.00	17	3.48448	0.63821	0.14492	18	3.57451	0.72604	0.15409
Fat, Ind Eth Ext (13th ed), Indirect ..	920.39	003.01	1	3.03500	0.47376	0.67000	1	3.03500	0.47376	0.67000
Fat, Pet Ether		003.06	27	2.98583	0.27695	0.07451	25	2.95100	0.24312	0.05480
Fat, Soxtec, Eth Ext		003.09	21	3.44050	0.44101	0.10625	20	3.44653	0.44715	0.08456
Fat, Soxtec, Pet Ether		003.10	31	2.86193	0.18344	0.08167	29	2.87137	0.18221	0.06800
Fat, NIR		003.11	11	2.07947	0.40860	0.04987	11	2.07947	0.40860	0.04987
Fat, Hexane Ext.		003.12	4	3.24625	0.29664	0.10750	4	3.24625	0.29664	0.10750
Fat, Soxtec, Hexane Ext.		003.13	6	2.82783	0.30565	0.10267	5	2.91140	0.23637	0.03120
Fat, Ankom		003.14	15	3.34733	0.55903	0.17200	14	3.36464	0.56969	0.14214
Fat, Misc		003.99	11	3.10291	0.32968	0.10309	11	3.10291	0.32968	0.10309
Method Group 003.XX PCT			144	3.06269	0.54030	0.10568	137	3.06496	0.54459	0.09070
Fiber, Crude Asbestos Free	962.09	004.00	30	7.13217	0.74976	0.15438	28	7.18733	0.72800	0.12397
Fiber, Sing Filt		004.01	2	8.70000	0.93095	0.20000	2	8.70000	0.93095	0.20000
Fiber, Fritted Glass	978.10	004.03	3	7.31000	0.27914	0.26000	3	7.31000	0.27914	0.26000
Fiber, Fibertec		004.06	32	7.27734	0.45671	0.18901	31	7.27967	0.45721	0.16704

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Fiber, ANKOM		004.07	37	7.61108	1.46030	0.21838	34	7.55765	1.49739	0.15765
Fiber, NIR		004.11	9	10.2461	1.13450	0.09444	10	10.3878	1.15842	0.09220
Fiber, Misc		004.99	6	6.90000	0.71431	0.11333	5	6.81000	0.74940	0.06000
Method Group 004.XX PCT			119	7.57475	1.28176	0.18042	112	7.58455	1.29788	0.14589
Ash,	942.05	005.00	131	20.6245	0.86074	0.12409	125	20.6304	0.85645	0.09813
Ash, LECO		005.02	1	21.6700	0.11314	0.16000	1	21.6700	0.11314	0.16000
Ash, NIR		005.11	8	20.9556	2.00682	0.19725	11	22.1023	2.57471	0.23618
Ash, Misc		005.99	14	20.8438	1.09093	0.51834	13	20.9080	1.01526	0.31821
Method Group 005.XX PCT			154	20.6684	0.97295	0.16397	147	20.6797	0.96699	0.12341
Fiber, Acid Detergent	973.18	008.02	15	12.1120	1.81982	0.36000	14	11.9579	1.76612	0.24857
Fiber, Acid Detergent-Hach		008.05	1	12.4500	0.63640	0.90000	1	12.4500	0.63640	0.90000
Fiber, Acid Detergent by ANKOM		008.08	22	9.89773	1.28162	0.33545	22	9.89773	1.28162	0.33545
Fiber, Acid Detergent Misc		008.99	7	12.1171	2.63103	0.75143	7	12.1171	2.63103	0.75143
Method Group 008.XX PCT			45	11.0378	2.03666	0.42089	44	10.9643	1.99412	0.38682
Fiber, Neutral Det-No ENZ Pretreat		009.04	1	26.9250	2.52437	3.57000	1	26.9250	2.52437	3.57000
Fiber, Neutral Det-ENZ Pretreat		009.07	12	22.3267	1.81330	0.65833	12	22.3267	1.81330	0.65833
Fiber, Neutral Detergent by ANKOM		009.09	18	19.6539	1.53809	0.35222	17	19.6350	1.57490	0.30176
Fiber, Neutral Det Misc		009.99	5	20.8500	2.15447	0.28000	5	20.8500	2.15447	0.28000
Method Group 009.XX PCT			36	20.9129	2.32542	0.53361	35	20.9397	2.35106	0.51429
Moisture, Karl-Fischer	966.20	010.03	5	5.15800	1.55572	0.29600	5	5.15800	1.55572	0.29600
Moisture, NIR		010.11	11	6.05686	1.21178	0.19840	11	6.05686	1.21178	0.19840
Moisture, Misc		010.99	12	8.03885	2.08895	0.22188	12	8.03885	2.08895	0.22188
Method Group 010.XX PCT			28	6.74578	2.03945	0.22589	28	6.74578	2.03945	0.22589
Loss on Drying, 135 deg 2 hr	930.15	011.01	83	10.1522	1.12424	0.15400	78	10.1465	1.09014	0.11439
Method Group 011.XX PCT			83	10.1522	1.12424	0.15400	78	10.1465	1.09014	0.11439
Starch, Polarimetric (Ewers)		012.00	7	7.88000	1.30438	0.32000	7	7.88000	1.30438	0.32000
Starch, Megazyme		012.01	2	7.42750	0.58716	0.31500	2	7.42750	0.58716	0.31500
Starch, Enzymatic		012.03	2	7.77750	0.28918	0.07500	2	7.77750	0.28918	0.07500
Starch, YSI Analyzer		012.04	5	7.05000	2.02896	0.14800	5	7.05000	2.02896	0.14800
Method Group 012.XX PCT			16	7.55125	1.44518	0.23500	16	7.55125	1.44518	0.23500
Fat, Mojonnier, Bak Ext	954.02	013.02	30	4.10782	0.39132	0.11403	29	4.08860	0.38073	0.10038
Fat, Roese-Gottlieb	932.02	013.03	1	4.05000	0.04243	0.06000	1	4.05000	0.04243	0.06000
Fat, Roese-Gottlieb Modified		013.08	1	4.05000	0.04243	0.06000	1	4.05000	0.04243	0.06000
Fat, Soxtec-Acid Hydrolysis		013.10	14	3.90420	0.48379	0.17453	14	3.90420	0.48379	0.17453
Fat, NIR-Acid Hydrolysis		013.12	1	3.18000	0.01414	0.02000	1	3.18000	0.01414	0.02000
Fat, Ankon-Acid Hydrolysis		013.13	1	4.57000	0.21213	0.30000	1	4.57000	0.21213	0.30000
Fat, Pretreat or extended ext, misc		013.99	2	3.84708	0.63757	0.13415	2	3.84708	0.63757	0.13415
Method Group 013.XX PCT			50	4.02875	0.44487	0.13145	49	4.01576	0.43832	0.12373
Aluminum, ICP		015.00	12	1401.56	508.170	40.5642	12	1401.56	508.170	40.5642

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Method Group 015.XX PPM			12	1401.56	508.170	40.5642	12	1401.56	508.170	40.5642
Arsenic, AA, Hydride		016.00	1	0.12600	0.00424	0.00600	1	0.12600	0.00424	0.00600
Boron, ICP		017.00	7	8.93143	0.78858	0.56286	6	8.99167	0.73697	0.34000
Boron, Misc		017.99	2	12.9950	3.82400	0.42000	2	12.9950	3.82400	0.42000
Method Group 017.XX PPM			9	9.83444	2.46536	0.53111	8	9.99250	2.55504	0.36000
Cadmium, ICP		018.02	4	0.27738	0.03282	0.00575	4	0.27738	0.03282	0.00575
Method Group 018.XX PPM			4	0.27738	0.03282	0.00575	4	0.27738	0.03282	0.00575
Calcium, Ox-Mn04 Vol	927.02	019.00	14	5.35279	0.17025	0.02990	13	5.31915	0.11968	0.01989
Calcium, At Abs Spect	968.08	019.01	43	5.35880	0.27300	0.07547	41	5.35715	0.26264	0.05842
Calcium, Semiauto (Autoanalyzer)		019.03	4	5.47475	0.24524	0.04700	4	5.47475	0.24524	0.04700
Calcium, ICP, Dry Ash		019.05	38	5.38119	0.25639	0.11526	36	5.39779	0.23451	0.09861
Calcium, EDTA		019.08	6	5.37917	0.24303	0.07833	6	5.37917	0.24303	0.07833
Calcium, ICP, Wet Ash		019.09	31	5.31387	0.25955	0.08839	31	5.31387	0.25955	0.08839
Calcium, Misc		019.99	6	5.28963	0.25652	0.17425	6	5.28963	0.25652	0.17425
Method Group 019.XX PCT			142	5.35559	0.25417	0.08794	137	5.35587	0.24358	0.07772
Chromium, AA		020.00	2	24.0850	3.01668	0.69000	2	24.0850	3.01668	0.69000
Chromium, ICP		020.01	7	19.7051	2.93440	0.75286	7	19.7051	2.93440	0.75286
Chromium, Misc		020.99	2	18.5025	4.45288	0.46500	2	18.5025	4.45288	0.46500
Method Group 020.XX PPM			11	20.2828	3.61150	0.68909	11	20.2828	3.61150	0.68909
Cobalt, AA	968.08	021.01	5	12.5560	3.44420	0.23200	5	12.5560	3.44420	0.23200
Cobalt, ICP		021.02	15	11.9200	1.66725	0.39680	14	11.8357	1.67784	0.29657
Cobalt, Misc.		021.99	2	12.1558	3.39209	2.63550	2	12.1558	3.39209	2.63550
Method Group 021.XX PPM			22	12.0860	2.28722	0.56286	21	12.0377	2.32261	0.50395
Copper, AA	968.08	022.01	23	168.956	11.2727	3.27652	22	168.749	11.4268	2.92545
Copper, ICP, Dry Ash	968.08	022.03	33	167.556	13.1232	4.61224	32	167.573	13.1846	4.06888
Copper, ICP, Wet Ash	968.08	022.05	32	170.033	8.74600	3.31209	30	169.952	8.47124	2.69957
Copper, Misc		022.99	3	155.818	8.54787	5.03000	3	155.818	8.54787	5.03000
Method Group 022.XX PPM			91	168.394	11.3407	3.83122	87	168.285	11.3552	3.34070
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	20	954.764	119.637	21.2018	19	953.909	122.481	18.5282
Iron, ICP, Dry Ash	968.08	025.03	31	984.246	85.6740	24.3953	29	980.919	85.9822	19.7329
Iron, ICP, Wet Ash	968.08	025.05	29	778.583	163.534	23.1736	28	772.693	162.441	17.4655
Iron, Misc		025.99	2	584.750	33.2704	3.50000	2	584.750	33.2704	3.50000
Method Group 025.XX PPM			82	894.577	163.200	22.6747	78	889.434	164.787	18.2093
Lead,		026.00	3	0.44700	0.19302	0.06200	3	0.44700	0.19302	0.06200
Lead, Misc		026.99	2	1.65800	1.32080	0.23500	2	1.65800	1.32080	0.23500
Method Group 026.XX PPM			5	0.93140	0.99663	0.13120	5	0.93140	0.99663	0.13120
Magnesium, AA	968.08	027.01	23	0.28006	0.01312	0.00622	22	0.28076	0.01266	0.00528
Magnesium, ICP, Dry Ash	968.08	027.03	33	0.28060	0.01767	0.00653	31	0.28031	0.01761	0.00502

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Magnesium, ICP, Wet Ash	968.08	027.05	30	0.26478	0.01369	0.00478	29	0.26460	0.01376	0.00426
Magnesium, Misc.		027.99	2	0.26555	0.02951	0.00090	2	0.26555	0.02951	0.00090
Method Group 027.XX PCT			88	0.27472	0.01717	0.00573	84	0.27465	0.01714	0.00473
Manganese, AA	968.08	028.01	23	373.559	23.5360	9.52304	22	374.062	23.3633	7.72864
Manganese, ICP, Dry Ash	968.08	028.03	30	369.222	23.0494	7.41643	29	369.471	23.1378	6.36183
Manganese, ICP, Wet Ash	968.08	028.05	32	368.311	23.4311	7.19291	31	368.450	23.6635	6.52171
Manganese, Misc.		028.99	3	347.245	26.2062	26.4433	3	347.245	26.2062	26.4433
Method Group 028.XX PPM			88	369.275	23.6777	8.53439	85	369.503	23.7758	7.48266
Phosphorus, Vol	964.06	031.00	1	1.03605	0.00219	0.00310	1	1.03605	0.00219	0.00310
Phosphorus, Photometric	965.17	031.01	51	1.05857	0.04695	0.01089	49	1.06015	0.04666	0.00970
Phosphorus, GQMP (2.028)	964.06	031.02	3	1.05053	0.01161	0.01167	3	1.05053	0.01161	0.01167
Phosphorus, Autoanalyzer		031.03	6	1.04783	0.03726	0.01833	6	1.04783	0.03726	0.01833
Phosphorus, ICP		031.05	64	1.03458	0.05453	0.02191	58	1.02937	0.05003	0.01516
Phosphorus, Hach Method		031.06	3	0.99667	0.03670	0.04000	3	0.99667	0.03670	0.04000
Phosphorus, Misc		031.99	8	1.01720	0.06802	0.01185	9	0.99707	0.08670	0.01120
Method Group 031.XX PCT			136	1.04267	0.05262	0.01706	128	1.04104	0.05106	0.01342
Potassium, AA	975.03	032.01	28	1.15700	0.05640	0.01333	28	1.15700	0.05640	0.01333
Potassium, Flame Emission	956.01	032.02	9	1.18589	0.06465	0.02956	9	1.18589	0.06465	0.02956
Potassium, ICP		032.05	62	1.15730	0.06268	0.02639	54	1.15934	0.05719	0.01604
Potassium, Misc		032.99	4	1.11584	0.09654	0.06268	3	1.13112	0.07853	0.00357
Method Group 032.XX PCT			103	1.15811	0.06336	0.02453	94	1.16028	0.05870	0.01613
Salt, Sol Cl	943.01	033.00	26	3.70750	0.18577	0.04731	26	3.70750	0.18577	0.04731
Salt, Poten Cl	969.10	033.01	29	3.86026	0.08438	0.02493	28	3.85724	0.08387	0.02261
Salt, Quantab		033.03	2	3.99500	0.05260	0.01000	2	3.99500	0.05260	0.01000
Salt, Ion Sel Electrode		033.05	1	3.63000	0.04243	0.06000	1	3.63000	0.04243	0.06000
Salt, Misc		033.99	8	3.67563	0.10979	0.02875	8	3.67563	0.10979	0.02875
Method Group 033.XX PCT			66	3.77830	0.16128	0.03429	65	3.77573	0.16108	0.03343
Selenium, Fluor	969.06	034.01	1	2.40000	0.07071	0.10000	1	2.40000	0.07071	0.10000
Selenium, AA, Hydride		034.04	7	2.23814	0.92936	0.03914	7	2.23814	0.92936	0.03914
Selenium, ICP		034.05	5	2.07100	0.37329	0.32200	5	2.07100	0.37329	0.32200
Selenium, Misc		034.99	2	2.00250	0.40136	0.22500	2	2.00250	0.40136	0.22500
Method Group 034.XX PPM			15	2.16180	0.67848	0.16227	15	2.16180	0.67848	0.16227
Sodium, AA		035.00	22	1.37284	0.09487	0.02757	20	1.36462	0.09370	0.02033
Sodium, Ion Sel Electrode		035.01	3	1.35533	0.03726	0.02000	3	1.35533	0.03726	0.02000
Sodium, ICP		035.03	50	1.34566	0.07169	0.02626	49	1.34599	0.06862	0.02024
Sodium, Flame Emission	956.01	035.05	11	1.37314	0.11124	0.02682	11	1.38950	0.13539	0.01955
Sodium, Misc		035.99	3	1.31057	0.06011	0.01060	3	1.31057	0.06011	0.01060
Method Group 035.XX PCT			89	1.35492	0.08310	0.02591	85	1.35145	0.07977	0.01948
Sulfur, (Gravimetric)		036.00	1	0.67500	0.00707	0.01000	1	0.67500	0.00707	0.01000

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Sulfur, ICP		036.03	25	0.53628	0.06006	0.00956	24	0.53871	0.05994	0.00830
Sulfur, LECO		036.04	1	0.54500	0.00707	0.01000	1	0.54500	0.00707	0.01000
Method Group 036.XX PCT			27	0.54175	0.06352	0.00960	26	0.54420	0.06334	0.00843
Zinc, AA	968.08	037.01	22	641.065	43.1802	15.9391	21	645.301	37.8900	12.0648
Zinc, ICP, Dry Ash	968.08	037.03	31	604.834	37.0196	15.9831	29	603.822	37.2982	13.2302
Zinc, ICP, Wet Ash	968.08	037.05	32	614.741	52.7095	11.7556	30	612.310	50.8220	9.44600
Zinc, Misc		037.99	3	605.213	41.0882	24.0000	3	605.213	41.0882	24.0000
Method Group 037.XX PPM			88	617.507	46.7833	14.7081	83	617.435	45.7146	11.9568
Molybdenum, ICP		038.00	8	2.96197	0.49725	0.22744	8	2.96197	0.49725	0.22744
Molybdenum, Misc		038.99	1	3.00000	0.00000	0.00000	1	3.00000	0.00000	0.00000
Method Group 038.XX PPM			9	2.96619	0.46724	0.20217	9	2.96619	0.46724	0.20217
Nickel, AA		039.01	1	38.6000	1.27279	1.80000	1	38.6000	1.27279	1.80000
Nickel, ICP		039.02	5	45.0251	2.29415	0.86940	5	45.0251	2.29415	0.86940
Method Group 039.XX PPM			6	43.9543	3.27236	1.02450	6	43.9543	3.27236	1.02450
Barium, ICP		040.00	1	7.20000	0.16971	0.24000	1	7.20000	0.16971	0.24000
Vanadium, ICP		041.00	3	3.37617	0.54184	0.12367	3	3.37617	0.54184	0.12367
Method Group 041.XX PPM			3	3.37617	0.54184	0.12367	3	3.37617	0.54184	0.12367
Monensin, Plate	972.56	065.00	4	297.706	19.6920	11.1375	4	297.706	19.6920	11.1375
Monensin, Turbid	976.37	065.01	3	266.425	8.09752	5.95000	3	266.425	8.09752	5.95000
Monensin, HPLC	997.04	065.03	10	284.913	34.3616	8.33500	10	284.913	34.3616	8.33500
Monensin, Misc		065.99	3	278.667	25.8276	15.3333	3	278.667	25.8276	15.3333
Method Group 065.XX G/TON			20	283.761	28.8019	9.58750	20	283.761	28.8019	9.58750
Choline Chloride, Misc		101.99	1	141.000	0.00000	0.00000	1	141.000	0.00000	0.00000
Riboflavin, HPLC		104.03	1	3.05000	0.07071	0.10000	1	3.05000	0.07071	0.10000
Thiamine, HPLC		105.00	2	2.02500	0.85543	0.28000	2	2.02500	0.85543	0.28000
Method Group 105.XX MG/LB			2	2.02500	0.85543	0.28000	2	2.02500	0.85543	0.28000
Vitamin A, Color	974.29	106.00	3	31.2000	3.30721	1.20667	3	31.2000	3.30721	1.20667
Vitamin A, UV		106.01	1	31.4250	2.02940	2.87000	1	31.4250	2.02940	2.87000
Vitamin A, HPLC		106.02	17	27.2346	3.21740	1.37806	16	27.2027	3.20213	1.03856
Vitamin A, Misc		106.99	2	30.4775	3.90008	3.53300	2	30.4775	3.90008	3.53300
Method Group 106.XX KU/LB			23	28.2160	3.56921	1.60796	22	28.2374	3.57516	1.37150
Vitamin D3, HPLC	982.29	108.01	1	4.26300	1.03379	1.46200	1	4.26300	1.03379	1.46200
Vitamin D3, HPLC		108.02	4	3.96475	0.89699	0.25850	4	3.96475	0.89699	0.25850
Method Group 108.XX KU/LB			5	4.02440	0.87198	0.49920	5	4.02440	0.87198	0.49920
Vitamin E, HPLC		109.02	8	10.5368	8.22970	0.59131	8	10.5368	8.22970	0.59131
Method Group 109.XX MG/KG			8	10.5368	8.22970	0.59131	8	10.5368	8.22970	0.59131
Alanine, Post-col Ninhydrin Der	994.12	120.00	12	1.22825	0.07272	0.01599	12	1.22825	0.07272	0.01599
Alanine, Pre-col AQC Der		120.05	3	1.17153	0.06510	0.00613	3	1.17153	0.06510	0.00613
Method Group 120.XX PCT			15	1.21691	0.07387	0.01402	15	1.21691	0.07387	0.01402

Method	AOAC 18th	Method Code	- Pass 1 Results for 208 Labs - No. of Labs	Grand Avg.	Std. Dev.	Average Range of Dups	- Pass 2 Results for 206 Labs - No. of Labs	Grand Avg.	Std. Dev.	Average Range of Dups
Arginine, Post-col Ninhydrin Der	994.12	121.00	11	1.11081	0.05990	0.01845	11	1.11081	0.05990	0.01845
Arginine, Pre-col AQC Der		121.05	3	1.15292	0.08144	0.01490	3	1.15292	0.08144	0.01490
Method Group 121.XX PCT			14	1.11983	0.06579	0.01769	14	1.11983	0.06579	0.01769
Aspartic, Post-col Ninhydrin Der	994.12	122.00	12	1.46380	0.10564	0.02185	11	1.46251	0.10942	0.01493
Aspartic, Pre-col AQC Der		122.05	3	1.55197	0.16857	0.02833	3	1.55197	0.16857	0.02833
Method Group 122.XX PCT			15	1.48143	0.12262	0.02315	14	1.48168	0.12638	0.01780
Cysteine/Cystine, PAO Post-col Ninhydri	994.12	124.00	10	0.60053	0.05197	0.01858	9	0.60788	0.04683	0.01034
Cysteine/Cystine, PAO Post-col OPA Der		124.02	2	0.62150	0.04165	0.02100	2	0.62150	0.04165	0.02100
Cysteine/Cystine, PAO Pre-col AQC Der .		124.05	2	0.62400	0.05550	0.02700	2	0.62400	0.05550	0.02700
Method Group 124.XX PCT			14	0.60688	0.05040	0.02013	13	0.61246	0.04603	0.01455
Glutamic, Post-col Ninhydrin Der	994.12	125.00	12	2.67460	0.16006	0.04246	12	2.67460	0.16006	0.04246
Glutamic, Pre-col AQC Der		125.05	3	2.70950	0.27007	0.02753	3	2.70950	0.27007	0.02753
Method Group 125.XX PCT			15	2.68158	0.18192	0.03947	15	2.68158	0.18192	0.03947
Glycine, Post-col Ninhydrin Der	994.12	126.00	12	1.22230	0.07314	0.01897	10	1.21331	0.07470	0.00926
Glycine, Pre-col AQC Der		126.05	3	1.22383	0.11369	0.01640	3	1.22383	0.11369	0.01640
Method Group 126.XX PCT			15	1.22261	0.08045	0.01845	13	1.21574	0.08275	0.01091
Histidine, Post-col Ninhydrin Der	994.12	127.00	12	0.39694	0.04956	0.00697	12	0.39694	0.04956	0.00697
Histidine, Pre-col AQC Der		127.05	2	0.38725	0.02635	0.00250	2	0.38725	0.02635	0.00250
Method Group 127.XX PCT			14	0.39556	0.04670	0.00633	14	0.39556	0.04670	0.00633
Isoleucine, Post-col Ninhydrin Der	994.12	128.00	12	0.82650	0.05858	0.01039	12	0.82650	0.05858	0.01039
Isoleucine, Pre-col AQC Der		128.05	2	0.84625	0.01121	0.01050	2	0.84625	0.01121	0.01050
Method Group 128.XX PCT			14	0.82932	0.05465	0.01041	14	0.82932	0.05465	0.01041
Leucine, Post-col Ninhydrin Der	994.12	129.00	11	1.66833	0.07135	0.01358	10	1.66261	0.07204	0.01024
Leucine, Pre-col AQC Der		129.05	3	1.57772	0.15877	0.01957	3	1.57772	0.15877	0.01957
Method Group 129.XX PCT			14	1.64891	0.10031	0.01486	13	1.64302	0.10157	0.01239
L-Lysine, Post-col Ninhydrin Der	994.12	130.00	10	0.80663	0.03162	0.01200	10	0.80663	0.03162	0.01200
L-Lysine, Pre-col AQC Der		130.05	4	0.79246	0.06757	0.02357	4	0.79246	0.06757	0.02357
Method Group 130.XX PCT			14	0.80258	0.04393	0.01531	14	0.80258	0.04393	0.01531
Methionine, PAO Post-col Ninhydrin Der	994.12	131.00	8	0.22493	0.00591	0.00693	8	0.22493	0.00591	0.00693
Methionine, PAO Post-col OPA Der		131.02	2	0.27100	0.03968	0.00800	2	0.27100	0.03968	0.00800
Methionine, PAO Pre-col AQC Der		131.05	2	0.23500	0.02082	0.03000	2	0.23500	0.02082	0.03000
Methionine, Misc		131.99	1	0.28835	0.00247	0.00350	1	0.28835	0.00247	0.00350
Method Group 131.XX PCT			13	0.23844	0.02738	0.01038	13	0.23844	0.02738	0.01038
Phenylalanine, Post-col Ninhydrin Der .	994.12	132.00	11	0.87926	0.05383	0.02432	11	0.87926	0.05383	0.02432
Phenylalanine, Pre-col AQC Der		132.05	3	0.85097	0.08168	0.01273	3	0.85097	0.08168	0.01273
Method Group 132.XX PCT			14	0.87320	0.06024	0.02184	14	0.87320	0.06024	0.02184
Proline, Post-col Ninhydrin Der	994.12	133.00	10	1.78003	0.09694	0.03636	10	1.78003	0.09694	0.03636
Proline, Pre-col AQC Der		133.05	3	1.71795	0.20764	0.01310	3	1.71795	0.20764	0.01310
Method Group 133.XX PCT			13	1.76570	0.12836	0.03099	13	1.76570	0.12836	0.03099

Method	AOAC 18th	Method Code	- Pass 1 Results for 208 Labs - No. of Labs	Grand Avg.	Std. Dev.	Average Range of Dups	- Pass 2 Results for 206 Labs - No. of Labs	Grand Avg.	Std. Dev.	Average Range of Dups
Serine, Post-col Ninhydrin Der	994.12	134.00	12	1.41021	0.08277	0.01772	12	1.41021	0.08277	0.01772
Serine, Pre-col AQC Der		134.05	3	1.53075	0.07549	0.09517	3	1.53075	0.07549	0.09517
Method Group 134.XX PCT			15	1.43432	0.09392	0.03321	15	1.43432	0.09392	0.03321
Threonine, Post-col Ninhydrin Der	994.12	135.00	11	1.11565	0.05953	0.02213	11	1.11565	0.05953	0.02213
Threonine, Pre-col AQC Der		135.05	3	1.02217	0.09564	0.00733	3	1.02217	0.09564	0.00733
Method Group 135.XX PCT			14	1.09562	0.07730	0.01896	14	1.09562	0.07730	0.01896
Tryptophan, Alka-Hydrol Post-col Ninhyd	988.15	136.00	1	0.19950	0.00212	0.00300	1	0.19950	0.00212	0.00300
Tryptophan, Alka-Hydrol Rev Phase LC UV		136.01	4	0.17238	0.00350	0.00325	4	0.17238	0.00350	0.00325
Tryptophan, Misc		136.99	1	0.13950	0.01202	0.01700	1	0.13950	0.01202	0.01700
Method Group 136.XX PCT			6	0.17142	0.01873	0.00550	6	0.17142	0.01873	0.00550
Tyrosine, Post-col Ninhydrin Der	994.12	137.00	8	0.63690	0.08203	0.01860	8	0.63690	0.08203	0.01860
Tyrosine, Pre-col AQC Der		137.05	3	0.59392	0.02767	0.03030	3	0.59392	0.02767	0.03030
Method Group 137.XX PCT			11	0.62518	0.07330	0.02179	11	0.62518	0.07330	0.02179
Valine, Post-col Ninhydrin Der	994.12	138.00	11	1.20860	0.10082	0.02722	10	1.20961	0.10445	0.01904
Valine, Pre-col AQC Der		138.05	2	1.20925	0.02354	0.02450	2	1.20925	0.02354	0.02450
Method Group 138.XX PCT			13	1.20870	0.09276	0.02680	12	1.20955	0.09531	0.01995
Taurine, Post-col Ninhydrin Der	994.12	139.00	1	1.32000	0.02828	0.04000	1	1.32000	0.02828	0.04000
Taurine, Misc		139.99	1	1.10500	0.02121	0.03000	1	1.10500	0.02121	0.03000
Method Group 139.XX PCT			2	1.21250	0.12580	0.03500	2	1.21250	0.12580	0.03500

AAFCO - Feed Check Sample No. - 200925 Beef Cattle Grower, Medicated

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index
--	Method 000.01	--
505	19.325	1.08
693	19.250	.50
Avg	19.229	
278	19.200	-.32
035	19.140	-1.40
366	18.750 s	-5.58
--	Method 000.02	--
673	6.5000	.00
--	Method 000.03	--
861	24.735	.71
--	Method 000.99	--
265	19.875	1.29
Avg	10.863	
723	6.4150	-.64
208	6.3000	-.65
--	Method 001.00	--
596	11.250 S	1.96
504	9.1600	.82
309	8.9850	.72
001	8.3200	.35
Avg	7.2800	
844	7.5600	-.07
784	7.4850	-.11
169	6.7600	-.50
509	6.6250	-.58
861	6.0700	-.88
560	4.5550	-1.72
--	Method 001.03	--
686	7.5100	1.73
688	6.1000	.12
Avg	6.0816	
567	6.0000	-.16
731	5.5600	-.63
727	5.2380	-1.03
--	Method 001.05	--
610	5.6900	.00
--	Method 001.07	--
591	9.5550 s	3.96
616	8.5150	2.59
559	7.6250	1.44
278	7.6200	1.41
679	7.6000	1.39
581	7.4600	1.20
845	7.1800	.86
139	7.1600	.80
199	7.0950	.73
413	7.0500	.66
307	6.6000 R	.53
675	6.9400	.51
098	6.9000	.49
045	6.8850	.45
693	6.8150	.37
089	6.8100	.34
038	6.7600	.28
849	6.7550	.27
226	6.6800	.17
588	6.6300	.13
Avg	6.5538	
669	6.5000	-.13
592	6.4500	-.14
035	6.3800	-.25
049	6.4650	-.29
178	6.3000	-.36
015	6.2550	-.39
187	6.1450	-.54
366	6.1500	-.57
571	6.1450	-.57
695	6.1200	-.58
083	5.9750	-.77
843	5.9100	-.86
297	5.7800	-1.02
609	5.7500	-1.08
353	5.6750	-1.16
--	Method 001.07	--
345	5.4500	-1.46
689	5.4500	-1.46
074	4.5550	-2.64
618	3.6450 s	-3.84
--	Method 001.08	--
590	6.8450	-.71
--	Method 001.99	--
405	10.665 S	3.78
720	10.230 S	3.35
681	9.4600	2.60
629	7.7450	.91
656	7.5850	.76
505	7.3000	.47
357	7.2400	.41
536	7.1150	.33
786	6.8550	.08
Avg	6.8234	
853	6.7500	-.11
037	6.6850	-.14
729	6.6800	-.17
615	6.4750	-.35
665	6.2750	-.54
619	6.2500	-.56
631	6.1950	-.62
630	6.0200	-.79
541	4.5450	-2.25
--	Method 002.00	--
028	40.695	.95
199	40.490	.57
845	40.430	.53
Avg	40.159	
826	40.000	-.46
679	39.180	-1.67
--	Method 002.01	--
710	40.860	1.52
652	40.450	.80
716	40.500	.75
731	40.495	.51
Avg	40.337	
723	40.235	-.30
350	40.194	-.42
848	40.160	-.52
098	39.800	-1.79
--	Method 002.02	--
169	41.315 s	3.54
297	40.985	1.35
152	40.700	.67
669	40.535	.28
Avg	40.451	
036	40.390	-.24
307	40.300	-.62
042	39.795	-1.64
--	Method 002.03	--
536	40.165	.71
--	Method 002.04	--
509	41.205	1.17
504	40.875	.91
187	40.520	.64
Avg	40.448	
728	39.190	-.45
405	38.265 S	-1.13
596	38.200 S	-1.18
--	Method 002.05	--
401	42.395 s	4.01
625	40.940	1.44
178	40.900	1.41
852	40.800	1.24
621	40.820	1.23
855	40.260	.55
--	Method 002.05	--
622	40.352	.42
651	40.317	.34
849	40.310	.33
083	40.145	.22
Avg	40.126	
620	40.113	-.11
689	40.100	-.18
039	39.995	-.34
354	39.800	-.59
194	39.740	-.68
674	39.770	-.68
591	39.715	-1.01
658	39.280	-1.58
552	38.915	-2.16
596	38.200 S	-3.41
--	Method 002.06	--
047	43.450 s	8.42
016	42.700 s	5.95
737	41.805 s	3.05
800	41.710 s	2.89
609	41.720	2.76
132	41.645	2.51
108	41.210 R	2.24
695	41.485	1.99
011	41.440	1.93
026	41.435	1.90
010	41.090 R	1.62
590	41.325	1.48
616	41.325	1.46
511	41.255	1.30
160	41.260	1.25
345	41.235	1.17
148	41.100 R	1.17
027	41.207	1.13
505	41.185	1.11
615	41.200	1.06
682	41.200	1.05
589	41.125	.95

* 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. - 200925 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 002.10 --		--	Method 003.00 --	
736	41.165	.93	810	40.895	.10	089	40.645	-.77	727	41.370 s	3.97	106	7.2850 s	5.11
294	41.160	.92	598	40.900	.07	265	40.650	-.77	861	40.770	1.52	139	5.6600 S	2.90
175	41.150	.90	098	40.900	.07	559	40.640	-.78	546	40.505	.65	307	4.8000 S	2.18
853	41.150	.88	Avg	40.880		819	40.660	-.83	675	40.490	.60	509	5.1050 S	2.12
229	41.145	.87	003	40.855	-.08	720	40.620	-.85	619	40.450	.49	265	4.6000 S	1.47
037	41.140	.86	726	40.854	-.08	138	40.610	-.89	629	40.385	.29	596	4.4550	1.21
508	41.131	.83	554	40.840	-.13	814	40.650	-.90	Avg	40.311		132	4.3750	1.14
298	41.130	.82	357	40.845	-.16	035	40.600	-.92	688	40.200	-.37	353	4.2850	.99
074	41.125	.82	610	40.850	-.19	784	40.570	-1.01	729	40.210	-.80	152	4.1500	.80
205	41.110	.78	168	40.820	-.20	014	40.570	-1.04	628	40.030	-.94	190	3.7850	.30
001	41.115	.77	199	40.815	-.23	546	40.680 R	-1.10	631	39.755	-1.85	848	3.6650	.26
687	41.000	.76	242	40.810	-.23	144	40.505	-1.23	160	39.645 R	-2.40	563	3.6784	.17
034	41.095	.71	353	40.805	-.26	529	40.555	-1.27	596	38.200 s	-6.99	300	3.5750	.10
358	41.070	.69	843	40.820	-.28	592	40.450	-1.41				Avg	3.4845	
668	41.079	.68	520	40.835	-.31	413	40.450	-1.49	--	Method 002.11 --		194	3.5200	-.08
571	41.086	.68	006	40.820	-.33	013	40.425	-1.50	588	42.790 S	4.38	039	3.3737	-.28
164	41.075	.64	656	40.770	-.36	553	40.491 R	-1.59	178	40.950	1.91	026	3.2750	-.41
263	41.052	.62	018	40.760	-.40	539	40.375	-1.65	011	40.100	.76	309	3.2850	-.45
618	40.893	.56	626	40.775	-.40	674	40.475 R	-1.72	713	39.985	.66	175	3.1950	-.52
300	40.945	.55	366	40.800	-.42	588	40.235	-2.14	628	39.660	.35	615	3.1700	-.56
512	41.040	.53	226	40.750	-.45	119	40.210	-2.19	032	39.700	.26	345	2.9250	-.90
774	41.020	.51	510	40.750	-.45	122	40.220	-2.22	665	39.565	.16	726	2.3142	-1.74
100	41.015	.49	038	40.755	-.48	036	40.185	-2.29	Avg	39.809		616	2.2100	-1.88
504	40.985	.46	693	40.775	-.48	686	40.150	-2.39	727	39.259	-.37			
660	40.980	.46	017	40.850	-.50	042	40.130	-2.47	536	39.250	-.40	--	Method 003.01 --	
573	40.985	.42	278	40.850	-.50	139	39.470 s	-4.64	731	38.445 S	-1.46	504	3.0350	.71
541	40.970	.42	045	40.850	-.50	781	39.255 s	-5.32	631	38.435 S	-1.48			
106	40.975	.40	049	40.823	-.53	596	38.200 s	-8.76	720	37.600 S	-2.60	--	Method 003.06 --	
233	40.980	.35	768	40.725	-.58	692	37.700 s	-10.40	679	36.490 S	-4.09	621	4.6650 s	7.05
673	40.900	.33	574	40.760	-.60							074	4.1900 s	5.10
786	40.975	.32	670	40.690	-.62	--	Method 002.08 --		--	Method 002.99 --		618	3.6674 R	2.99
190	40.955	.29	425	40.690	-.62	706	45.750 S	5.91	681	41.940	1.47	588	3.6300	2.79
743	40.955	.29	676	40.691	-.63	610	40.850	1.04	305	40.875	.40	688	3.5500	2.47
823	40.950	.28	019	40.705	-.63	062	40.613	.81	065	40.830	.35	574	3.1750 R	1.22
619	40.950	.28	171	40.700	-.67	208	40.100	.30	856	40.565	.10	229	3.1500	.83
202	40.955	.26	021	40.685	-.68	Avg	40.178		Avg	40.482		511	3.1150	.73
354	40.945	.22	567	40.800	-.70	309	39.150	-.67	643	39.785	-.71	294	3.0850	.55
752	40.935	.19	630	40.665	-.72	563	38.300 S	-1.49	613	38.895	-1.60	552	3.0700	.49
762	40.905	.14	407	40.655	-.74							689	3.0500	.46

* 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 003.06	--
852	3.0500	.46
199	2.9900	.17
425	2.9650	.08
Avg	2.9510	
354	2.9500	.00
305	2.9100	-.19
083	2.9500	-.21
148	2.9000	-.21
003	2.9250	-.41
164	2.8450	-.44
559	2.8250	-.54
669	2.8150	-.56
682	2.8100	-.58
169	2.7750	-.72
297	2.7350	-.89
625	2.7250	-.93
731	2.7250	-.94
122	2.6200	-1.38
658	2.6100	-1.41
--	Method 003.09	--
358	4.3350	1.99
849	4.1450	1.56
673	3.9000	1.01
510	3.8000	.82
226	3.7500	.69
651	3.7270	.63
620	3.6201	.45
505	3.5250	.20
038	3.5300	.19
033	3.4700	.14
263	3.5075	.14
Avg	3.4465	
001	3.3850	-.15
098	3.3050	-.35
656	3.2550	-.50
554	3.2050	-.54
723	3.1550	-.65
590	3.3200 R	-.67
--	Method 003.09	--
675	3.0750	-.83
674	2.9350	-1.16
027	2.9260	-1.17
630	2.3800	-2.39
--	Method 003.10	--
679	3.9950 s	6.17
623	3.1528	1.65
676	3.1495	1.54
618	3.1155	1.34
591	3.0900	1.20
045	3.0300	.95
242	3.0150	.95
573	3.0050	.77
042	2.9600	.66
366	2.9500	.51
233	2.9400	.50
693	2.9350	.40
062	2.9320	.33
100	2.9200	.29
354	2.9100	.22
208	2.9050	.20
178	2.9000	.16
Avg	2.8714	
629	2.8600	-.13
034	2.8200	-.28
298	2.8200	-.29
119	2.8100	-.34
619	2.8700	-.38
728	2.8050	-.39
098	2.7850	-.53
089	2.6800	-1.05
720	2.7450 R	-1.06
202	2.6600	-1.17
695	2.7050 R	-1.18
855	2.6500	-1.22
706	2.6500	-1.25
160	2.5550	-1.74
609	2.3950	-2.64
--	Method 003.11	--
665	4.0150 s	4.74
032	2.9500	2.13
720	2.5800	1.23
727	2.2542	.43
536	2.1700	.22
731	2.1350	.15
679	2.0850	.06
Avg	2.0795	
713	1.8900	-.47
628	1.8500	-.57
178	1.8500	-.57
631	1.5800	-1.22
588	1.5300	-1.34
--	Method 003.12	--
670	3.5700	1.10
357	3.4500	.71
Avg	3.2463	
171	3.0300	-.83
628	2.9350	-1.05
--	Method 003.13	--
028	3.2400	1.41
187	3.0050	.40
205	2.9840	.31
Avg	2.9114	
553	2.7100	-.85
668	2.6180	-1.24
660	2.4100 R	-2.33
--	Method 003.14	--
407	4.7300	2.40
413	4.2000	1.48
278	3.7500	.73
581	3.5850	.39
019	3.3700	.09
Avg	3.3646	
049	3.2850	-.15
598	3.2400	-.23
--	Method 003.14	--
021	3.2650	-.29
529	3.1300	-.41
520	3.3100	-.45
567	3.0500	-.56
144	2.9750	-.68
108	3.1050 R	-.69
853	2.6400	-1.28
175	2.5750	-1.39
--	Method 003.99	--
546	3.6450	1.68
786	3.3600	.79
737	3.3550	.78
536	3.2700	.59
727	3.1920	.38
681	3.2150	.34
Avg	3.1029	
631	3.0700	-.12
047	3.0450	-.24
861	2.8050	-.92
710	2.6200	-1.47
613	2.5550	-1.67
--	Method 004.00	--
856	23.480 s	22.38
226	8.7000	2.08
855	8.5550	1.88
511	8.4500	1.74
509	8.2450	1.45
265	7.7500	.85
596	7.7500	.78
345	7.7000	.71
706	7.6500	.64
563	7.6150	.60
208	7.5450	.50
169	7.2400	.07
Avg	7.1873	
510	7.1500	-.09
681	7.1150	-.10
--	Method 004.00	--
171	7.0250	-.25
164	7.0000	-.26
559	6.9950	-.30
309	6.9600	-.39
298	6.8800	-.42
194	6.8550	-.46
175	6.7950	-.54
353	6.8900 R	-.59
190	6.6450	-.75
354	6.6050	-.80
504	6.6200	-.81
695	6.5500	-.88
042	6.4850	-.98
726	6.4002	-1.09
199	6.2850	-1.24
132	5.8300 R	-1.90
034	5.6800	-2.07
425	3.6500 s	-4.86
--	Method 004.01	--
366	9.5000	.87
Avg	8.7000	
693	7.9000	-.87
--	Method 004.03	--
045	7.5650	1.17
619	7.3200	.29
Avg	7.3100	
679	7.0450	-1.02
--	Method 004.06	--
845	8.3050 s	2.62
728	8.4300	2.52
354	7.9400	1.45
676	7.7610	1.06
716	7.7500	1.03
673	7.7000	.94
849	7.6900	.90
675	7.5850	.67

* 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. - 200925 Beef Cattle Grower, Medicated

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index
--	Method 004.06	--
552	7.4800	.57
038	7.4650	.57
178	7.3500	.57
609	7.5250	.55
027	7.4640	.42
658	7.4585	.40
205	7.4300	.37
674	7.4400	.36
620	7.2983	.28
621	7.3150	.13
Avg	7.2797	
350	7.2330	-.12
710	7.1900	-.20
723	7.1700	-.24
588	7.2100	-.25
098	7.1200	-.35
591	7.1400	-.50
848	6.9050	-.82
590	6.9000	-.86
720	7.2050 R	-.97
689	6.8000	-1.07
610	6.7500	-1.28
656	6.6850	-1.30
731	6.6350	-1.47
688	6.5000	-1.72
670	6.3500	-2.04
--	Method 004.07	--
089	10.745	2.13
407	10.120	1.71
554	10.050	1.67
042	9.7300	1.45
686	9.6200	1.38
610	9.2500	1.13
581	9.1100	1.04
144	8.9650	.94
294	8.9300	.92
413	8.6000 R	.77
631	8.6100 R	.76

Lab	Average*	Index
--	Method 004.07	--
019	8.1950	.43
708	8.1200	.38
021	8.0900	.37
229	7.9300	.25
003	7.6650	.16
529	7.6900	.10
643	7.5800	.06
Avg	7.5576	
682	7.4000	-.11
035	7.3550	-.14
074	7.4150	-.17
520	7.4400 R	-.30
028	7.1000	-.31
592	7.0350	-.35
278	6.9000	-.46
033	6.7600	-.53
098	6.6000	-.65
300	6.3850	-.78
026	6.3100	-.83
567	6.1000	-.98
160	5.9400	-1.08
032	5.8450	-1.15
505	5.8050	-1.17
242	5.7600	-1.20
307	5.7500	-1.21
202	5.5500	-1.34
013	5.1600	-1.60
--	Method 004.11	--
628	40.665 s	36.75
727	11.663 S	1.10
731	11.355	.84
536	11.265	.76
679	11.065	.59
178	10.600	.20
588	10.425	.04
Avg	10.246	
713	10.290	-.09
631	10.265	-.11

Lab	Average*	Index
--	Method 004.11	--
011	9.3500	-.90
032	7.6000	-2.41
720	3.8000 s	-5.69
--	Method 004.99	--
613	8.0250	1.62
626	7.3500 R	.76
628	7.0100	.27
Avg	6.8100	
536	6.6000	-.28
629	6.5500	-.35
598	5.8650	-1.26
--	Method 005.00	--
720	22.490	2.17
592	22.410	2.08
621	21.840	1.41
591	21.775	1.34
504	21.730	1.29
345	21.715	1.27
307	21.700	1.25
731	21.595	1.14
716	21.600	1.13
265	21.600	1.13
413	21.600	1.13
045	21.550 R	1.11
407	21.555	1.08
619	21.550	1.08
132	21.550	1.07
629	21.505	1.02
679	21.480	.99
357	21.350	.84
688	21.300	.79
510	21.295	.78
693	21.275	.75
297	21.200 R	.75
622	21.264	.74
567	21.250	.73
710	21.245	.72

Lab	Average*	Index
--	Method 005.00	--
695	21.240	.71
669	21.230	.70
686	21.215	.68
784	21.215	.68
187	21.210	.68
152	21.200	.68
588	21.190	.65
062	21.188	.65
768	21.185	.65
660	21.180	.64
083	21.175	.64
620	21.165	.63
350	21.147	.61
590	21.145	.60
294	21.140	.60
108	21.125	.58
674	21.095	.56
589	21.080	.55
849	21.090	.54
035	21.070	.52
559	21.075	.52
651	21.074	.52
729	21.065	.51
552	21.050	.50
553	21.035	.49
353	21.005	.48
305	21.035	.47
520	21.010	.47
164	21.020	.46
100	21.015	.45
845	21.010	.45
425	20.995	.44
001	21.000	.43
229	20.990	.42
848	20.910	.39
743	20.960	.38
242	20.950	.37
098	20.900	.34
148	20.910	.33

Lab	Average*	Index
--	Method 005.00	--
298	20.910	.33
819	20.885	.30
656	20.870	.29
762	20.855	.27
609	20.640 R	.25
354	20.830	.23
623	20.795	.20
366	20.700	.14
630	20.730	.14
675	20.735	.12
358	20.730	.12
625	20.725	.11
300	20.700	.11
781	20.695	.10
631	20.640	.07
563	20.676	.05
034	20.640	.01
Avg	20.630	
038	20.590	-.07
505	20.560	-.09
205	20.562	-.10
171	20.625	-.10
541	20.540	-.11
202	20.520	-.13
736	20.515	-.13
144	20.500	-.15
026	20.485	-.17
723	20.480	-.18
199	20.525	-.26
752	20.530	-.26
800	20.490	-.27
027	20.335	-.35
175	20.250	-.48
089	20.220	-.48
033	20.140	-.57
226	20.600 R	-.58
194	20.115	-.60
682	20.060	-.67
208	20.050	-.68

* 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	--
178	20.200 R	-.77
814	19.900	-.86
138	19.875	-.88
810	19.870	-.89
658	19.865	-.89
706	19.800	-.98
021	19.790	-.98
539	19.720	-1.07
774	19.665	-1.14
643	19.610	-1.20
309	19.410	-1.43
278	19.335	-1.52
119	19.145	-1.73
689	19.145	-1.73
853	19.075	-1.82
550	19.065	-1.83
618	19.001	-1.91
668	18.959	-1.95
598	18.955	-1.96
169	18.932	-1.98
160	18.900	-2.02
139	18.880	-2.04
616	18.880	-2.04
856	18.860	-2.07
049	18.815	-2.12
615	18.825 R	-2.13
015	18.795	-2.14
855	18.760	-2.18
670	18.615	-2.35
401	9.7650 s	-12.69
--	Method 005.02	--
610	21.670	-.71
--	Method 005.11	--
588	25.775 S	1.43
631	25.115 S	1.17
628	24.590 S	.97
178	23.800	.66
--	Method 005.11	--
720	23.360	.49
Avg	20.956	
713	21.715	-.18
679	21.440	-.26
665	21.010	-.42
727	19.255	-1.11
731	19.145	-1.15
536	17.920	-1.62
--	Method 005.99	--
673	22.000	1.08
628	21.810	.89
727	21.778	.86
861	21.565	.65
574	21.485	.59
652	21.400	.52
536	21.175	.29
826	21.025	.12
Avg	20.908	
546	20.815	-.48
065	20.301	-.60
122	20.480	-.82
681	19.325	-1.56
728	20.010 R	-1.77
613	18.645	-2.23
--	Method 008.02	--
353	14.270 R	1.42
148	14.060	1.19
171	13.775	1.03
038	13.510	.92
187	13.275	.75
504	13.240	.73
405	12.915	.54
226	12.900	.54
Avg	11.958	
675	11.935	-.03
309	11.725	-.14
098	11.250	-.43
--	Method 008.02	--
045	10.750	-.68
728	10.740	-.70
619	9.4350	-1.43
590	7.9000	-2.30
--	Method 008.05	--
265	12.450	.71
--	Method 008.08	--
035	13.410	2.74
693	12.020	1.67
106	11.060	.91
413	11.000	.87
202	10.695	.65
026	10.450	.43
033	10.350	.40
083	9.9800	.40
357	10.300	.32
001	10.215 X	.30
Avg	9.8977	
592	9.6650	-.18
278	9.5000	-.32
354	9.4250	-.37
049	9.6900	-.39
160	9.2150	-.54
294	9.2000	-.55
669	9.2350	-.58
581	9.1750	-.59
510	8.6000	-1.02
037	8.5300	-1.07
164	8.5000	-1.09
686	7.5350	-1.84
--	Method 008.99	--
122	17.050	1.89
613	13.400	.57
307	12.600	.24
297	12.560	.18
Avg	12.117	
--	Method 008.99	--
358	10.010	-.81
366	9.6500	-.94
610	9.5500	-.98
--	Method 009.04	--
504	26.925	.71
--	Method 009.07	--
307	26.000	2.10
226	24.100	.98
675	23.585	.74
297	23.240	.50
309	22.835	.37
Avg	22.327	
187	22.180	-.09
045	22.200	-.09
038	21.385	-.53
693	21.725	-.59
590	20.750	-.89
098	20.700	-.90
353	19.220	-1.71
--	Method 009.09	--
265	22.450	1.80
510	22.050	1.54
294	21.200	1.00
354	21.090	.92
106	20.960	.84
592	20.670	.66
357	20.600	.61
049	19.975 R	.44
037	19.650	.11
Avg	19.635	
164	19.000	-.41
686	18.960	-.44
083	18.975	-.47
202	18.735	-.61
669	18.280	-.90
413	18.200	-.91
--	Method 009.09	--
160	18.075	-.99
278	17.750	-1.20
581	17.150	-1.58
--	Method 009.99	--
613	24.530	1.71
Avg	20.850	
728	20.825	-.06
619	20.500	-.21
610	20.100	-.35
643	18.295	-1.19
--	Method 010.03	--
618	8.0300	1.85
Avg	5.1580	
027	4.9650	-.18
843	4.5000	-.44
826	4.1800	-.63
546	4.1150	-.68
--	Method 010.11	--
720	8.7150	2.19
731	7.0500	.86
536	6.9100	.71
631	6.3550	.25
679	6.2350	.19
727	6.2555	.19
Avg	6.0569	
628	5.6600	-.34
178	5.2500	-.68
588	4.9350	-.93
713	4.9100	-.95
038	4.3500	-1.41
--	Method 010.99	--
300	12.720	2.24
621	10.525	1.19
613	9.8500	.87
122	9.5650	.73

* 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 010.99 --	
Avg	8.0389	
673	7.3000	-.36
529	7.2550	-.38
852	7.2000	-.41
628	6.8600	-.56
652	6.8000	-.61
065	6.4513	-.76
716	6.4000	-.79
168	5.5400	-1.20
--	Method 011.01 --	
265	90.550 s	73.76
401	20.445 s	9.45
737	12.355	2.03
706	12.350	2.02
591	11.875 R	1.64
164	11.885	1.59
819	11.740	1.46
108	11.465 R	1.31
668	11.554	1.29
823	11.550	1.29
233	11.495	1.24
309	11.490	1.23
774	11.420	1.17
205	11.205	.99
511	11.205	.98
743	11.170	.94
541	11.135	.91
589	11.020	.80
171	11.010	.80
559	10.985	.79
144	10.995	.78
670	10.985	.77
305	10.950	.74
138	10.925	.71
814	10.850	.65
573	10.835	.64
553	10.820	.62
800	10.765	.60
--	Method 011.01 --	
194	10.760	.56
625	10.760	.56
596	10.750	.56
752	10.715	.52
682	10.660	.47
728	10.590	.45
407	10.610	.43
736	10.550	.37
098	10.270 R	.37
520	10.495	.33
675	10.450	.28
510	10.400	.25
855	10.410	.24
563	10.408	.24
294	10.400	.23
119	10.370	.21
026	10.305	.16
242	10.250	.13
848	10.240	.09
034	10.200	.05
Avg	10.147	
100	10.105	-.04
350	10.076	-.07
062	10.067	-.10
781	10.056	-.11
033	10.070	-.12
768	9.9800	-.15
148	9.8650	-.26
723	10.015 R	-.27
202	9.8600	-.28
622	9.8410	-.28
226	9.8050	-.32
651	9.7535	-.36
208	9.7450	-.37
623	9.6741	-.43
298	9.6200	-.48
160	9.5800	-.52
762	9.5700	-.53
354	9.5000	-.59
--	Method 011.01 --	
229	9.5050	-.60
539	9.4500	-.64
620	9.3017	-.78
574	9.1750	-.90
856	8.9650	-1.09
358	8.8300	-1.21
552	8.7350	-1.29
843	8.6550	-1.37
660	8.5850	-1.43
643	8.5500	-1.47
810	8.5300	-1.48
021	8.3850	-1.62
152	8.3000	-1.70
658	8.2650	-1.73
175	8.1500	-1.84
132	7.8950	-2.07
598	7.8300	-2.13
674	7.5750 R	-2.37
710	7.1400	-2.76
--	Method 012.00 --	
178	10.750	2.20
689	8.0000	.12
Avg	7.8800	
567	7.8500	-.19
354	7.3600	-.40
673	7.3500	-.45
559	7.2500	-.50
716	6.6000	-.99
--	Method 012.01 --	
686	7.9000	.92
Avg	7.4275	
676	6.9550	-.81
--	Method 012.03 --	
098	8.0250	.87
Avg	7.7775	
297	7.5300	-.86
--	Method 012.04 --	
106	10.050	1.48
353	7.6050	.28
Avg	7.0500	
160	6.8950	-.09
278	6.6500	-.20
510	4.0500	-1.48
--	Method 012.11 --	
720	41.875 S	.00
--	Method 012.99 --	
619	19.200 S	.00
--	Method 013.02 --	
800	4.7650	1.78
843	4.6650 R	1.66
762	4.7050	1.63
810	4.5700	1.26
676	4.5545	1.23
354	4.5450	1.20
743	4.4250	.89
861	4.4250	.89
774	4.4100	.88
736	4.3750	.75
643	4.2750	.52
855	4.1750	.40
171	4.1550	.23
814	4.1500	.21
164	4.1000	.19
033	4.1150	.08
026	4.0950	.02
Avg	4.0886	
823	4.0000	-.23
752	3.9600	-.35
208	3.9200	-.45
853	3.9000	-.51
675	3.8400	-.66
826	3.8400	-.74
768	3.8050	-.75
--	Method 013.02 --	
148	3.7450	-.92
553	3.7050	-1.01
016	3.6950	-1.06
616	3.6400	-1.18
229	3.4500	-1.68
856	3.2300	-2.29
--	Method 013.03 --	
591	4.0500	.71
--	Method 013.08 --	
591	4.0500	.71
--	Method 013.10 --	
843	4.6650	1.66
353	4.3950	1.03
350	4.3928	1.01
656	4.3400	.92
160	4.3200	.87
652	4.2500	.72
Avg	3.9042	
673	3.9000	-.01
062	3.7960	-.24
688	3.5500	-.74
539	3.5100	-.82
716	3.4800	-.88
610	3.4500	-.94
845	3.4050	-1.15
660	3.2050	-1.51
--	Method 013.12 --	
720	3.1800	.71
--	Method 013.13 --	
581	4.5700	-.71

* 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. - 200925 Beef Cattle Grower, Medicated

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index
--	Method 013.99	--
628	5.9850 S	3.37
065	4.3942	.86
Avg	3.8471	
689	3.3000	-.87
--	Method 015.00	--
520	2046.5	1.27
616	1885.0	.95
164	1885.0	.95
049	1788.4	.76
169	1640.0	.47
011	1626.2	.45
510	1550.0	.30
Avg	1401.6	
154	1263.5	-.27
560	1060.5	-.67
345	996.21	-.80
021	614.00	-1.55
353	463.50	-1.85
--	Method 016.00	--
619	0.1260	.71
--	Method 017.00	--
021	234.00 s	307.35
353	10.255	1.76
345	9.2950	.41
560	9.1050	.31
Avg	8.9917	
045	8.5500	-.60
693	8.4800	-.90
510	8.2650	-.99
049	8.5700 R	-1.41
--	Method 017.99	--
307	16.300	.87
Avg	12.995	
358	9.6900	-.87

Lab	Average*	Index
--	Method 018.02	--
021	0.3145	1.13
567	0.2900	.38
Avg	0.2774	
154	0.2740	-.12
011	0.2310	-1.43
--	Method 019.00	--
552	5.7900 R	3.99
679	5.4650	1.22
849	5.4350	.97
658	5.4230	.87
689	5.4000	.68
716	5.4000	.68
620	5.3691	.42
651	5.3335	.13
Avg	5.3192	
622	5.3141	-.04
194	5.2850	-.29
175	5.2800	-.37
623	5.2694	-.44
621	5.1250	-1.64
625	5.0500	-2.26
681	4.0800 s	-10.35
--	Method 019.01	--
674	5.8950	2.06
018	5.8950	2.06
305	5.7650 R	1.83
619	5.8100	1.73
178	5.7600	1.53
010	5.6250	1.02
656	5.5700	.82
001	5.5380	.69
019	5.4700	.63
350	5.5055	.57
205	5.5050	.56
139	5.4900	.51
731	5.4900	.51
723	5.4850	.49

Lab	Average*	Index
--	Method 019.01	--
208	5.4700	.47
563	5.4690	.44
504	5.4380	.34
505	5.4050	.28
035	5.4100	.22
263	5.3938	.14
036	5.3805	.09
588	5.3650	.06
Avg	5.3572	
354	5.3550	-.02
675	5.3500	-.08
233	5.3350	-.09
038	5.3300	-.11
013	5.3450	-.14
014	5.3150	-.23
152	5.3000	-.27
669	5.3400	-.27
720	5.2500	-.41
039	5.2416	-.44
631	5.1850	-.67
108	5.2050	-.70
710	5.1450	-.81
026	5.1300	-.87
612	5.0900	-1.02
169	5.0550	-1.15
307	5.0200 R	-1.44
670	4.9170	-1.68
591	4.8200	-2.05
687	4.8150	-2.07
609	4.7500	-2.32
122	0.6600 s	-17.88
856	0.5800 s	-18.19
--	Method 019.03	--
686	5.7600	1.17
307	5.5350	.31
036	5.4790	.02
Avg	5.4748	
026	5.1250	-1.43

Lab	Average*	Index
--	Method 019.05	--
629	5.9200	2.28
089	5.7600	1.55
208	5.6900	1.42
512	5.6960	1.37
520	5.6500	1.25
300	5.4200 R	1.20
168	5.6355	1.16
294	5.6350	1.01
171	5.6000	.87
226	5.5750	.76
083	5.5700	.75
003	5.5500	.68
695	5.5150	.59
407	5.4850	.37
425	5.4800	.35
413	5.4400	.35
074	5.4550	.24
Avg	5.3978	
610	5.3950	-.07
049	5.3700	-.13
298	5.3700	-.13
148	5.3450	-.23
011	5.3363	-.36
297	5.3100	-.37
229	5.2750	-.52
100	5.2750	-.56
098	5.3750	-.67
242	5.2400	-.68
598	5.2250	-.74
265	5.3000	-.87
026	5.2100	-.89
144	5.1850	-.91
550	5.1575	-1.02
405	5.1500	-1.08
164	5.1400	-1.14
511	5.0250	-1.59
358	5.0100	-1.67
682	4.9700	-1.82
553	4.7450 A	-2.84

Lab	Average*	Index
--	Method 019.08	--
673	5.7000	1.32
729	5.5800	.91
138	5.4200	.24
848	5.3900	.13
Avg	5.3792	
590	5.1150	-1.09
689	5.0700	-1.30
--	Method 019.09	--
016	6.3250 s	4.93
309	6.2990 s	3.95
510	5.9550	2.47
045	5.7650	1.79
042	5.6450	1.30
027	5.6265	1.21
199	5.5550	.95
017	5.5600	.95
190	5.5550	.93
726	5.5000	.72
560	5.4800	.64
047	5.4050	.54
848	5.3900	.30
628	5.3350	.16
028	5.3250	.14
035	5.3200	.02
Avg	5.3139	
366	5.3100	-.12
616	5.3100	-.12
106	5.3050	-.14
572	5.2850	-.35
021	5.2100	-.44
202	5.2450	-.52
567	5.1700	-.57
154	5.1987	-.60
187	5.1350	-.69
160	5.1447	-.75
693	5.1050	-.80
038	5.1000	-.94
278	5.0650	-.99

* 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 019.09	--
037	5.0300	-1.10
353	4.9850	-1.27
357	4.9200	-1.52
345	4.7950	-2.00
--	Method 019.99	--
588	5.7000	1.69
852	5.3500	.31
065	5.3078	.07
Avg	5.2896	
665	5.2200	-.38
692	5.0200	-1.05
613	5.1400	-1.14
--	Method 020.00	--
563	26.670	.86
Avg	24.085	
164	21.500	-.87
--	Method 020.01	--
021	23.550	1.33
567	22.700	1.02
510	20.600	.31
560	20.500	.28
Avg	19.705	
011	18.186	-.55
154	17.300	-.82
171	15.100	-1.59
--	Method 020.99	--
616	22.350	.87
Avg	18.503	
675	14.655	-.86
--	Method 021.01	--
563	16.725	1.21
619	15.150	.75
Avg	12.556	
164	11.900	-.19
--	Method 021.01	--
689	11.750	-.25
208	7.2550	-1.54
--	Method 021.02	--
628	19.000 s	4.31
021	14.050	1.32
616	13.550	1.02
510	13.530	1.01
106	13.100 R	.92
567	13.050	.73
560	12.550	.44
154	12.450	.37
011	12.235	.27
038	12.150	.24
572	11.850	.09
Avg	11.836	
171	11.450	-.35
169	10.800	-.64
366	10.500	-.80
629	9.8500	-1.18
693	7.6850	-2.47
--	Method 021.99	--
017	14.500	1.01
Avg	12.156	
610	9.8115	-.69
--	Method 022.01	--
856	1685.0 s	132.69
619	187.00	1.66
563	185.66	1.48
689	183.45	1.34
038	181.50	1.14
723	176.50	.68
014	173.50 R	.64
588	175.00	.55
669	174.76	.53
590	174.00	.46
731	172.50	.33
--	Method 022.01	--
307	169.00	.26
354	171.25	.22
675	169.11	.12
Avg	168.75	
674	168.20	-.09
178	167.50	-.17
208	166.50	-.24
350	167.95	-.40
591	164.10	-.42
035	157.00	-1.03
505	152.00	-1.47
710	152.00	-1.47
720	150.56	-1.60
305	146.96	-1.91
--	Method 022.03	--
695	203.00	2.69
083	192.00	1.85
425	184.00	1.25
226	183.00	1.18
520	175.00	.77
407	176.50	.68
511	171.50	.64
297	173.50	.49
011	171.34	.30
610	168.50	.27
229	171.00	.27
098	171.00	.27
164	169.00	.25
074	170.50	.23
358	168.00	.22
100	170.00	.20
682	169.80	.17
598	169.50	.15
242	169.50	.15
Avg	167.57	
300	167.20	-.05
049	166.86	-.11
026	163.50	-.31
--	Method 022.03	--
550	163.80	-.35
171	167.00	-.46
208	158.50	-.71
265	167.00 R	-.84
512	155.95	-1.00
003	153.50	-1.08
553	152.00	-1.18
405	152.00	-1.18
144	151.95	-1.20
148	148.45	-1.45
629	135.00	-2.47
--	Method 022.05	--
027	188.35	2.20
190	186.12	1.91
017	181.50 R	1.51
106	182.00	1.47
560	182.00	1.42
038	181.00	1.31
021	175.50	.66
160	175.20	.63
294	174.88	.59
202	174.00	.49
309	171.35	.46
413	170.50	.30
186	172.00	.27
616	172.00	.27
199	172.15	.27
693	170.50	.19
045	170.50	.09
Avg	169.95	
154	167.50	-.30
042	168.50	-.34
628	167.00	-.35
726	166.16	-.45
366	167.00	-.50
345	164.11	-.69
278	164.20	-.71
187	160.24	-1.15
--	Method 022.05	--
037	161.00	-1.16
353	160.80	-1.17
357	159.50	-1.24
572	159.00	-1.30
567	161.00 R	-1.34
510	158.00	-1.42
035	157.50	-1.47
169	140.50 s	-3.50
--	Method 022.99	--
692	161.50	.69
613	160.50	.62
Avg	155.82	
846	145.46	-1.28
--	Method 023.01	--
619	0.0030	.00
--	Method 025.01	--
675	1138.2	1.52
669	1096.9	1.17
619	1048.0	.77
563	1043.5	.73
689	1034.3	.66
014	1021.0	.55
175	1018.0	.52
670	997.44	.37
208	997.50	.36
307	971.00 R	.33
720	987.70	.28
731	981.50	.25
038	965.50	.14
591	954.65	.03
Avg	953.91	
350	928.75	-.26
354	869.40	-.69
710	835.50	-.97
305	818.05	-1.11
716	756.00	-1.62

* 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 025.01	--
505	632.50	-2.63
856	460.00 s	-4.03
--	Method 025.03	--
083	1179.5	2.31
695	1176.0	2.27
265	1077.0 R	1.24
074	1073.5	1.08
242	1036.5	.65
550	1031.6	.61
100	1031.5	.59
164	1023.5	.58
425	1030.7	.58
098	988.00 R	.53
026	990.00	.36
049	1001.6	.24
208	997.50	.20
682	996.78	.18
520	992.00	.17
171	991.50	.13
148	988.75	.09
629	987.50	.08
610	986.00	.08
Avg	980.92	
229	968.00	-.15
358	966.11	-.18
407	964.50	-.19
512	980.90	-.22
011	963.39	-.45
598	922.50	-.68
144	915.85	-.76
003	890.50	-1.05
553	886.50	-1.13
226	886.50	-1.14
297	811.00	-1.98
300	828.15 s	-2.37
405	776.50	-2.38

Lab	Average*	Index
--	Method 025.05	--
038	1120.0	2.14
628	1071.0	1.84
616	1015.0	1.49
511	1007.5	1.45
042	993.50	1.36
017	943.50 R	1.19
199	937.45	1.01
510	891.50	.73
560	849.50	.48
045	799.00	.20
366	795.50	.14
Avg	772.69	
021	768.00	-.06
106	771.50	-.08
294	760.08	-.08
154	755.00	-.14
567	750.00	-.18
186	735.50	-.24
345	726.18	-.31
169	715.00	-.36
037	688.50	-.52
309	674.45	-.61
693	664.50	-.69
190	657.08	-.71
726	656.71	-.71
413	649.00	-.76
160	622.80	-.93
353	573.55	-1.23
187	546.10	-1.39
278	441.50	-2.04
--	Method 025.99	--
692	613.50	.87
Avg	584.75	
613	556.00	-.86

Lab	Average*	Index
--	Method 026.00	--
154	0.6710	1.17
Avg	0.4470	
610	0.4200	-.17
689	0.2500	-1.05
--	Method 026.99	--
619	2.7950	.86
Avg	1.6580	
011	0.5210	-.87
--	Method 027.01	--
609	0.5250 s	19.30
720	0.3650 s	6.67
590	0.3000	1.52
669	0.2960	1.23
731	0.2950	1.19
350	0.2926	.93
208	0.2910	.82
035	0.2900	.73
014	0.2865	.68
619	0.2855	.52
139	0.2866	.46
038	0.2835	.22
Avg	0.2808	
674	0.2800	-.06
591	0.2800	-.06
263	0.2759	-.39
588	0.2755	-.43
563	0.2800	-.49
675	0.2739	-.57
307	0.2750	-.60
175	0.2750	-.60
305	0.2800	-.79
169	0.2700	-.85
504	0.2647 R	-1.66
710	0.2550	-2.07
505	0.2500	-2.43

Lab	Average*	Index
--	Method 027.03	--
300	179.84 s	4419.64
003	0.3400 s	3.39
550	0.3075	1.55
512	0.3031	1.34
407	0.3030	1.29
520	0.3000	1.25
405	0.2950 R	1.19
511	0.3000	1.12
425	0.3000	1.12
171	0.2990	1.06
148	0.2900	.55
074	0.2900	.55
011	0.2870	.44
083	0.2850	.39
100	0.2850	.39
049	0.2850	.39
610	0.2850	.39
598	0.2810	.07
Avg	0.2803	
098	0.2800	-.02
682	0.2800	-.02
413	0.2800	-.02
026	0.2785	-.13
208	0.2790	-.14
297	0.2750	-.41
164	0.2750	-.41
358	0.2750	-.41
242	0.2700	-.59
229	0.2700	-.59
695	0.2668	-.77
226	0.2700	-.82
265	0.2750 R	-.90
144	0.2600	-1.15
553	0.2570	-1.33
294	0.2400	-2.29
629	0.2330	-2.69

Lab	Average*	Index
--	Method 027.05	--
027	0.2925	2.03
560	0.2900	1.85
042	0.2895	1.82
035	0.2800	1.12
199	0.2789	1.04
278	0.2750	.84
190	0.2750	.84
693	0.2700 R	.83
037	0.2725	.58
726	0.2717	.52
106	0.2695	.40
628	0.2700	.39
017	0.2650	.36
186	0.2685	.34
021	0.2675	.24
Avg	0.2646	
345	0.2625	-.16
357	0.2600	-.33
154	0.2614	-.38
616	0.2590	-.50
309	0.2572	-.54
572	0.2560	-.66
045	0.2560	-.72
567	0.2550	-.79
160	0.2537	-.80
038	0.2520	-.96
510	0.2500	-1.06
187	0.2500	-1.06
366	0.2500	-1.06
353	0.2450	-1.47
202	0.2400	-1.79
--	Method 027.99	--
613	0.3600 S	3.22
065	0.2911	.87
Avg	0.2656	
692	0.2400	-.87

* 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 028.01	--
723	3192.0 s	120.61
710	541.50 s	7.17
305	398.22	1.14
178	399.00	1.12
563	396.25	.95
038	389.50	.88
720	392.96	.82
208	390.50	.70
505	387.50	.58
669	386.49	.57
590	385.30	.49
035	384.50	.45
307	377.00	.41
175	383.00	.40
350	381.45	.32
731	380.50	.31
014	375.50	.16
Avg	374.06	
629	372.00	-.19
354	362.20	-.53
588	350.00	-1.03
856	362.50 R	-1.16
674	345.50	-1.23
619	343.50	-1.31
675	338.01	-1.54
716	310.50	-2.73
--	Method 028.03	--
550	420.76	2.23
695	409.00	1.71
003	406.00	1.58
083	392.00	.97
682	386.88	.75
511	384.00	.65
425	381.05	.50
242	380.50	.48
074	378.50	.40
098	373.50	.37
208	376.50	.34

Lab	Average*	Index
--	Method 028.03	--
100	374.50	.22
265	373.50	.20
171	370.00	.05
Avg	369.47	
229	369.00	-.13
297	366.00	-.15
610	365.50	-.18
407	365.00	-.20
164	365.00	-.21
148	362.20	-.32
520	367.50	-.38
358	364.22	-.44
598	352.50	-.74
512	355.05	-.80
226	352.50	-.84
026	362.00 R	-.88
049	343.36	-1.13
011	342.70	-1.17
553	328.00	-1.79
144	309.45	-2.62
405	274.00 s	-4.13
--	Method 028.05	--
106	407.00	1.63
027	404.69	1.57
294	395.72	1.16
628	394.00	1.11
560	394.00	1.09
017	394.00	1.09
045	390.50	.95
726	389.08	.87
186	387.00	.79
021	381.50	.74
037	381.50	.56
035	380.00	.49
042	376.00	.36
616	370.00	.22
366	370.50	.14
160	370.00	.07

Lab	Average*	Index
--	Method 028.05	--
Avg	368.45	
353	366.10	-.10
202	367.00	-.18
187	361.89	-.28
357	361.50	-.29
038	364.00	-.46
693	355.00	-.57
567	364.00 R	-.62
309	353.15	-.66
154	353.00	-.67
278	351.50	-.72
345	345.79	-.96
510	344.50	-1.01
572	339.50	-1.23
413	337.50	-1.32
190	327.55	-1.73
169	308.50	-2.55
--	Method 028.99	--
846	368.24	.86
Avg	347.24	
692	340.50	-.26
613	333.00	-1.30
--	Method 031.00	--
622	1.0361	.71
--	Method 031.01	--
619	1.1900 s	2.86
139	1.1875	2.73
194	1.1850	2.68
620	1.1492	1.91
609	1.1400	1.72
674	1.1350	1.64
001	1.1300	1.51
305	1.1250	1.39
629	1.1050	.97
731	1.0950	.75
669	1.0900	.67

Lab	Average*	Index
--	Method 031.01	--
350	1.0916	.67
171	1.0800	.48
035	1.0800	.48
665	1.0800	.48
018	1.0800	.43
679	1.0650	.15
651	1.0635	.10
036	1.0615	.06
Avg	1.0601	
675	1.0600	.00
263	1.0557	-.10
354	1.0550	-.15
849	1.0550	-.15
710	1.0550	-.15
026	1.0500	-.22
152	1.0500	-.22
623	1.0499	-.24
563	1.0468	-.29
848	1.0500	-.31
178	1.0450	-.34
656	1.0450	-.34
658	1.0430	-.39
233	1.0400	-.43
670	1.0400	-.43
108	1.0500 R	-.48
728	1.0350	-.55
625	1.0300	-.65
626	1.0300	-.65
511	1.0300	-.65
016	1.0250	-.76
205	1.0250	-.76
723	1.0250	-.76
019	1.0250	-.76
038	1.0200	-.89
169	1.0150	-.97
689	1.0150	-1.02
175	1.0100	-1.10
687	1.0050	-1.19
588	0.9960	-1.37

Lab	Average*	Index
--	Method 031.01	--
122	0.9950	-1.40
621	0.9900 R	-1.56
039	0.9828	-1.66
716	0.8700 s	-4.13
591	0.2700 s	-16.93
--	Method 031.02	--
505	1.0550	.58
011	1.0566	.52
Avg	1.0505	
014	1.0400	-1.38
--	Method 031.03	--
504	1.0920	1.30
208	1.0750	.78
026	1.0550	.23
036	1.0550	.19
Avg	1.0478	
307	1.0200	-.79
720	0.9900	-1.58
--	Method 031.05	--
226	1.1950 A	3.32
560	1.1550	2.51
407	1.1500	2.41
003	1.1300	2.02
074	1.1250	1.91
168	1.0855 R	1.56
027	1.0985	1.38
265	1.0500 R	1.27
190	1.0900	1.23
425	1.0900	1.21
358	1.0700 R	1.14
520	1.0500 R	1.08
598	1.0810	1.04
550	1.0592 R	1.03
098	1.0800	1.01
610	1.0750	.92
045	1.0650	.87

* 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 031.05	--
038	1.0450	.77
083	1.0650	.72
413	1.0650	.72
726	1.0560	.56
049	1.0550	.52
208	1.0535	.48
628	1.0500	.46
160	1.0406	.37
512	1.0300	.34
089	1.0450	.33
848	1.0450	.33
298	1.0300	.20
405	1.0300	.20
148	1.0370	.15
297	1.0350	.15
199	1.0315	.07
035	1.0300	.01
693	1.0300	.01
Avg	1.0294	
042	1.0250	-.13
164	1.0250	-.13
021	1.0225	-.14
186	1.0225	-.15
100	1.0200	-.19
187	1.0200	-.19
695	1.0200	-.19
106	1.0150	-.30
202	1.0250	-.31
229	1.0050	-.50
682	1.0000	-.59
144	1.0000	-.59
037	1.0215	-.59
242	1.0000	-.62
572	0.9985	-.75
366	0.9900	-.79
017	0.9900	-.88
028	0.9850	-.89
353	0.9850	-.94
616	0.9815	-.96

Lab	Average*	Index
--	Method 031.05	--
567	0.9800	-1.06
345	0.9750	-1.09
510	0.9700	-1.19
309	0.9732	-1.24
357	0.9650	-1.29
278	0.9650	-1.29
294	0.9450	-1.69
154	0.9433	-1.78
553	0.9225	-2.14
--	Method 031.06	--
536	1.0300	1.06
Avg	0.9967	
138	0.9850	-.35
686	0.9750	-1.12
--	Method 031.99	--
631	1.6100 s	7.08
729	1.5000 S	5.82
552	1.1050	1.25
852	1.0900	1.08
673	1.0800	.96
590	1.0450	.56
Avg	1.0172	
065	0.9736	-.27
692	0.9600	-.43
613	0.9450	-.62
006	0.9390	-.67
588	0.8360 S	-1.86
--	Method 032.01	--
609	1.2550	1.74
175	1.2350	1.39
205	1.2150	1.03
013	1.2100	1.00
354	1.2100	.96
723	1.2050	.86
619	1.2000	.78
001	1.1940	.66

Lab	Average*	Index
--	Method 032.01	--
350	1.1919	.63
505	1.1900	.59
036	1.1890	.57
208	1.1850	.50
019	1.1700	.23
139	1.1690	.22
038	1.1650	.17
098	1.1600	.05
Avg	1.1570	
563	1.1446	-.22
307	1.1450	-.23
035	1.1550	-.27
710	1.1250	-.57
674	1.1200	-.68
039	1.1127	-.79
612	1.1150	-.79
670	1.1100	-.87
720	1.0900	-1.20
629	1.0450	-1.99
675	1.0450	-1.99
305	1.0450	-2.00
591	0.7500 s	-7.22
856	0.1230 s	-18.33
--	Method 032.02	--
504	1.3155	2.12
014	1.2310	.72
665	1.2200	.55
588	1.1915	.09
Avg	1.1859	
590	1.1750	-.19
731	1.1500	-.58
108	1.1550	-.72
716	1.1200	-1.03
169	1.1150	-1.10

Lab	Average*	Index
--	Method 032.05	--
016	1.6450 s	9.67
265	1.3800 s	3.87
226	1.3250 s	3.11
083	1.2850	2.21
407	1.2750	2.02
003	1.2650 R	2.01
294	1.2550	1.68
726	1.2491	1.57
027	1.2470	1.53
560	1.2350	1.35
190	1.2250	1.18
413	1.2250	1.15
425	1.2250	1.15
168	1.2000 R	1.13
695	1.2200	1.08
682	1.2200	1.06
028	1.2100	.95
148	1.2125	.93
278	1.1700 R	.89
598	1.2050	.86
358	1.1650 R	.79
049	1.1800	.50
160	1.1604	.42
171	1.1800	.40
567	1.1750	.38
106	1.1800	.36
186	1.1650	.28
199	1.1750	.27
164	1.1700	.26
045	1.1735	.26
297	1.1700	.19
208	1.1650	.11
Avg	1.1593	
100	1.1550	-.12
026	1.1550	-.12
144	1.1550	-.12
187	1.1550	-.12
242	1.1550	-.12
572	1.1500	-.16

Lab	Average*	Index
--	Method 032.05	--
550	1.1525	-.23
038	1.1500	-.24
021	1.1350	-.43
011	1.1432	-.47
693	1.1300	-.54
405	1.1300	-.54
616	1.1250	-.61
357	1.1250	-.61
042	1.1250	-.66
366	1.1200	-.69
229	1.1200	-.71
353	1.1200	-.71
610	1.1150	-.78
035	1.1100	-.88
520	1.1500 R	-.89
037	1.0950	-1.13
017	1.0900	-1.21
154	1.1056 R	-1.26
309	1.0860	-1.28
629	1.0850	-1.30
202	1.0850	-1.30
628	1.0850	-1.33
010	1.1050 R	-1.35
511	1.0750	-1.48
345	1.0700	-1.60
510	1.0250	-2.35
553	0.9880 A	-3.08
--	Method 032.99	--
074	1.2150	1.07
065	1.1384	.09
Avg	1.1311	
692	1.0400	-1.16
613	1.0700 R	-1.71
588	0.8105 S	-4.08

* 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 033.00	--
208	3.9850	1.50
353	3.9250	1.22
169	3.9050	1.07
366	3.8650	.90
567	3.8250	.75
045	3.8350	.69
588	3.8150	.63
693	3.8150	.61
716	3.8150	.58
298	3.8000	.50
689	3.7900	.46
013	3.7900	.45
309	3.7800	.39
511	3.7700	.35
504	3.7250	.26
160	3.7300	.16
695	3.7150	.14
675	3.7250	.12
Avg	3.7075	
849	3.7050	-.03
016	3.6000	-.58
034	3.5550	-.84
407	3.4600	-1.33
731	3.4250	-1.52
628	3.3850	-1.74
679	3.3550	-1.91
539	3.3000	-2.19
297	2.4000 s	-7.04
596	2.0500 s	-8.93
--	Method 033.01	--
413	4.0300	2.11
710	4.0300	2.06
194	4.0150	1.88
205	3.9450 R	1.18
202	3.9200	.76
610	3.8925	.58
098	3.9000	.51
175	3.8900	.41
--	Method 033.01	--
021	3.8850	.38
307	3.8850	.34
242	3.8850	.34
229	3.8800	.30
178	3.8800	.27
559	3.8750	.22
226	3.8600	.12
354	3.8650	.11
Avg	3.8572	
199	3.8550	-.18
629	3.8550	-.18
039	3.8415	-.19
038	3.8350	-.27
278	3.8150	-.53
026	3.8100	-.58
100	3.8050	-.63
019	3.8000	-.69
164	3.7850	-.96
510	3.7700	-1.05
590	3.7500	-1.28
686	3.7300	-1.54
011	3.6587	-2.37
425	3.5400 s	-3.78
106	3.2500 s	-7.26
674	3.2200 s	-9.37
--	Method 033.03	--
598	5.1900 S	22.72
726	5.1000 S	21.01
190	4.7400 S	14.67
144	4.2750 S	6.28
505	4.0400	.88
Avg	3.9950	
265	3.9500	-.86
122	0.4500 S	-67.40
--	Method 033.05	--
171	3.6300	.71
--	Method 033.99	--
681	4.8850 s	11.02
673	3.8000	1.13
003	3.7650	.91
861	3.7300	.53
856	3.7000	.24
855	3.6800	.04
Avg	3.6756	
552	3.6650	-.11
723	3.6300	-.43
358	3.4350	-2.20
--	Method 034.01	--
038	2.4000	-.71
--	Method 034.04	--
619	3.4000	1.25
208	3.1200	.95
026	2.2650	.04
610	2.2720	.04
164	2.2650	.03
Avg	2.2381	
169	1.9500	-.31
723	0.3950	-1.98
--	Method 034.05	--
682	10.040 S	21.35
693	2.3000	1.14
560	2.4250	.95
Avg	2.0710	
047	2.0000	-.33
016	2.0300	-.76
154	1.6000	-1.27
--	Method 034.99	--
098	2.3150	.95
Avg	2.0025	
190	1.6900	-.78
--	Method 035.00	--
505	2.0450 s	7.29
263	1.5589	2.08
037	1.5400	1.87
035	1.5050	1.50
656	1.4900 R	1.44
609	1.4200 R	.80
305	1.4150	.60
208	1.4175	.57
720	1.3950	.33
619	1.3750	.29
205	1.3750	.19
139	1.3825	.19
Avg	1.3646	
354	1.3600	-.12
233	1.3550	-.19
307	1.3450	-.43
038	1.3250	-.45
175	1.3250	-.50
658	1.3070	-.62
675	1.3000	-.69
710	1.2950	-.74
670	1.2915	-.78
122	1.2600	-1.12
152	1.1650	-2.13
591	1.0800 S	-3.04
--	Method 035.01	--
686	1.4000	1.23
Avg	1.3553	
563	1.3410	-.41
138	1.3250	-.91
--	Method 035.03	--
407	1.6800 s	4.87
628	1.4850	2.03
003	1.4800	1.97
413	1.4400	1.40
148	1.4370	1.33
038	1.4250	1.17
089	1.4250	1.15
199	1.4080	.91
226	1.3950	.75
693	1.3950	.75
353	1.3950	.72
100	1.3900	.66
425	1.3900	.64
083	1.3850	.61
045	1.3850	.57
298	1.3800	.52
572	1.3800	.50
021	1.3650	.46
042	1.3700	.46
098	1.3700	.46
208	1.3740	.41
160	1.3728	.41
297	1.3700	.38
610	1.3650	.35
164	1.3600	.25
229	1.3600	.20
011	1.3537	.19
358	1.3500	.16
187	1.3550	.15
Avg	1.3460	
017	1.3400	-.09
049	1.3400	-.09
695	1.3400	-.17
035	1.3400	-.17
144	1.3250	-.31
278	1.3150	-.46
242	1.3150	-.46
567	1.3150	-.50
682	1.3100	-.52

* 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 035.03	--
366	1.3100	-.54
309	1.2935	-.77
265	1.2950	-.83
345	1.2750	-1.04
154	1.2839	-1.09
598	1.2650	-1.19
202	1.2550	-1.33
553	1.2550	-1.42
510	1.2485	-1.42
616	1.2150	-1.92
550	1.2070	-2.03
300	1.3295 R	-2.35
520	1.2000 s	-2.58
405	1.1500	-2.86
--	Method 035.05	--
560	1.6550 S	1.97
590	1.5200	.96
504	1.4750 R	.79
108	1.4350	.38
171	1.4250	.28
716	1.4150	.23
731	1.3900	.07
Avg	1.3630	
588	1.3745	-.12
294	1.3600	-.22
169	1.3600	-.22
106	1.2250	-1.22
665	1.1250	-1.95
--	Method 035.99	--
065	1.3867	1.27
Avg	1.3106	
692	1.2800	-.51
613	1.2650	-.80

Lab	Average*	Index
--	Method 036.00	--
307	0.6750	.71
--	Method 036.03	--
186	0.6285	1.50
708	0.6230	1.41
560	0.6185	1.33
294	0.6100	1.19
187	0.6031	1.07
021	0.5975	.99
169	0.5750	.61
278	0.5600	.39
171	0.5570	.31
045	0.5485	.22
Avg	0.5387	
510	0.5350	-.10
309	0.5319	-.13
038	0.5325	-.16
160	0.5288	-.21
357	0.5250	-.24
202	0.5200	-.31
693	0.5200	-.31
345	0.5165	-.37
106	0.5160	-.38
366	0.5100	-.48
353	0.5050	-.57
616	0.4780 R	-1.07
154	0.4444	-1.58
042	0.4430	-1.60
265	0.3800	-2.65
550	0.2755 s	-4.39
--	Method 036.04	--
226	0.5450	.71
--	Method 037.01	--
856	6380.0 s	151.37
710	864.00 s	5.77
720	836.63 s	5.43
675	729.88	2.26

Lab	Average*	Index
--	Method 037.01	--
354	728.60	2.20
591	701.25	1.55
035	672.00	.71
723	665.00	.52
038	663.50	.51
178	649.00	.46
674	654.44	.28
Avg	645.30	
563	635.60	-.26
014	634.50	-.29
716	629.00	-.44
208	630.00	-.44
619	628.00	-.47
505	632.50	-.47
588	623.00	-.59
307	629.00	-.62
689	616.50	-.76
350	615.25	-.80
175	615.00	-.80
590	615.30	-.81
731	584.00	-1.62
669	552.11 R	-2.77
305	235.82 s	-10.81
--	Method 037.03	--
682	1247.6 s	17.26
098	652.50	1.44
171	652.00	1.30
074	648.50	1.20
083	644.50	1.10
226	643.00	1.06
265	627.50 R	.99
011	630.80	.97
520	637.00	.93
407	634.50	.83
300	611.50 R	.76
550	628.79	.71
511	626.50	.66
297	624.00	.59

Lab	Average*	Index
--	Method 037.03	--
610	619.00	.41
100	618.50	.40
026	610.00	.20
229	610.00	.17
242	605.00	.03
Avg	603.82	
598	598.00	-.16
629	595.00	-.25
208	594.00	-.27
425	589.30	-.39
049	584.89	-.51
358	592.68	-.58
512	577.30	-.84
148	564.70	-1.05
003	564.00	-1.07
164	563.50	-1.09
144	550.90	-1.44
553	549.50	-1.52
695	502.50	-2.72
405	434.00 s	-4.56
--	Method 037.05	--
021	814.50 s	4.00
027	717.79	2.08
042	712.00 R	2.03
038	705.50	1.83
017	692.50	1.58
106	677.00	1.32
628	666.50	1.07
572	665.00	1.04
560	664.00	1.02
045	659.00	.92
190	632.47	.40
035	630.00	.35
726	626.43	.28
413	619.00	.22
199	621.35	.18
202	617.00	.11
Avg	612.31	

Lab	Average*	Index
--	Method 037.05	--
366	611.50	-.07
357	595.00	-.34
693	607.50	-.38
616	585.50	-.53
309	590.40 R	-.59
353	582.30	-.59
187	581.85	-.60
567	581.50	-.62
186	583.50	-.65
510	576.50	-.71
294	571.93	-.80
345	568.93	-.86
160	569.20	-.88
154	548.00	-1.27
037	545.50	-1.32
278	546.05	-1.33
169	521.00	-1.80
--	Method 037.99	--
846	637.14	.85
613	622.00	.60
Avg	605.21	
692	556.50	-1.19
--	Method 038.00	--
297	5.5500 S	5.21
278	3.9700	2.03
011	3.0708	.48
510	3.2000	.48
Avg	2.9620	
560	2.8600	-.21
693	2.9150	-.40
154	2.6650	-.60
038	2.7150	-.65
106	2.3000	-1.39
021	1.0000 S	-3.95

* 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 038.99	--
164	3.0000	.00
--	Method 039.01	--
164	38.600	.71
--	Method 039.02	--
021	48.900	1.69
560	45.650	.34
Avg	45.025	
154	43.550	-.65
011	43.775	-.68
567	43.250	-.81
--	Method 040.00	--
560	7.2000	.71
--	Method 041.00	--
021	3.8000	.80
011	3.6385	.50
Avg	3.3762	
154	2.6900	-1.27
--	Method 065.00	--
016	317.50	1.02
028	310.50	.81
Avg	297.71	
027	287.83	-.69
035	275.00	-1.15
--	Method 065.01	--
036	274.50	1.04
013	266.75	.31
Avg	266.43	
027	258.03	-1.15
--	Method 065.03	--
039	338.87	1.58
610	323.00	1.11
860	302.78	.52
--	Method 065.03	--
038	300.00	.47
619	287.50	.40
148	285.90	.03
Avg	284.91	
218	271.41	-.39
047	265.30	-.57
001	257.50	-.80
846	216.87	-2.00
--	Method 065.99	--
590	306.00	1.13
Avg	278.67	
010	278.00	-.39
171	252.00	-1.04
--	Method 101.99	--
644	141.00	.00
--	Method 104.03	--
644	3.0500	.71
--	Method 105.00	--
160	2.7500	.85
Avg	2.0250	
644	1.3000	-.88
--	Method 106.00	--
027	34.900	1.18
Avg	31.200	
033	30.950	-.09
171	27.750	-1.05
--	Method 106.01	--
858	31.425	.71
--	Method 106.02	--
028	29972 s	9356.47
670	50.540 s	7.30
675	49.280 s	6.92
--	Method 106.02	--
016	31.450	1.33
169	31.000	1.19
017	27.745 R	1.08
676	29.435	.98
849	30.100	.91
208	29.500	.84
027	28.495	.46
199	28.050	.29
034	27.800	.19
035	27.345	.11
021	27.250	.05
Avg	27.203	
610	26.850	-.44
563	25.529	-.52
616	24.970	-.70
619	25.000	-.71
160	23.570	-1.14
560	18.900	-2.59
227	5.1950 s	-6.87
--	Method 106.99	--
003	33.300	.79
Avg	30.478	
043	27.655	-.94
--	Method 108.01	--
227	4.2630	.71
--	Method 108.02	--
676	15.353 s	12.74
675	5.3300	1.53
Avg	3.9648	
644	3.9000	-.13
208	3.3730	-.72
858	3.2560	-.79
--	Method 109.02	--
675	24.880	1.74
199	21.550	1.34
563	11.030	.06
Avg	10.537	
560	8.8750	-.20
676	6.7800	-.46
644	6.7500	-.46
208	4.4300	-.75
619	0.0000	-1.28
--	Method 120.00	--
684	1.3370	1.52
227	1.3210	1.29
676	1.2835	.78
675	1.2535	.35
652	1.2400	.21
160	1.2336	.17
571	1.2350	.12
Avg	1.2283	
619	1.2150	-.19
504	1.2000	-.41
644	1.1930	-.49
350	1.1725	-.77
848	1.0550	-2.38
--	Method 120.05	--
038	1.2535	1.26
Avg	1.1715	
668	1.1461	-.39
626	1.1150	-.87
--	Method 121.00	--
160	1.3500 s	3.99
227	1.2170	1.79
644	1.1410	.50
571	1.1300	.36
652	1.1300	.36
676	1.1310	.35
619	1.1250	.25
--	Method 121.00	--
675	1.1119	.11
Avg	1.1108	
504	1.1100	-.17
684	1.1035	-.35
350	1.0445	-1.11
848	0.9750	-2.28
--	Method 121.05	--
626	1.2300	.95
038	1.1745	.27
Avg	1.1529	
668	1.0543	-1.24
--	Method 122.00	--
227	1.5870	1.15
676	1.5650	.95
675	1.5175	.50
684	1.4780 R	.47
571	1.5100	.43
644	1.5040	.38
619	1.5000	.35
652	1.4950	.30
504	1.4650	.05
Avg	1.4625	
350	1.4400	-.21
848	1.2550	-1.90
160	1.2491	-1.95
--	Method 122.05	--
038	1.7035	.91
626	1.6100	.36
Avg	1.5520	
668	1.3424	-1.24
--	Method 124.00	--
684	0.6850	1.65
652	0.6550	1.01
619	0.6445	.79
571	0.6295	.50

* 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 124.00	--
Avg	0.6079	
350	0.5950	-.29
675	0.5815	-.57
644	0.5755	-.69
504	0.5650	-.92
848	0.5400	-1.47
160	0.5344 R	-1.86
--	Method 124.02	--
676	0.6560	.87
Avg	0.6215	
227	0.5870	-.86
--	Method 124.05	--
610	0.6700	.85
Avg	0.6240	
038	0.5780	-.88
--	Method 124.99	--
668	0.4149 S	.00
--	Method 125.00	--
676	2.9155	1.55
227	2.9140	1.52
684	2.7695	.72
675	2.7402	.41
652	2.7300	.35
619	2.6750	.09
Avg	2.6746	
350	2.6605	-.09
571	2.6450	-.19
644	2.6265	-.30
160	2.5490	-.78
504	2.5300	-.92
848	2.3400	-2.09
--	Method 125.05	--
038	2.9825	1.01
626	2.7600	.19
Avg	2.7095	
668	2.3860	-1.20
--	Method 126.00	--
227	1.3390	1.69
676	1.2935 R	1.16
684	1.2410 R	.60
652	1.2550	.56
571	1.2500	.49
675	1.2385	.34
619	1.2350	.30
350	1.2210	.11
Avg	1.2133	
504	1.2100	-.14
644	1.2030	-.15
160	1.1267	-1.16
848	1.0550	-2.12
--	Method 126.05	--
626	1.3700	1.29
Avg	1.2238	
038	1.1535	-.62
668	1.1480	-.68
--	Method 127.00	--
160	0.4813	1.71
676	0.4510	1.11
675	0.4431	.93
652	0.4400	.87
227	0.4085	.23
Avg	0.3969	
644	0.3850	-.24
571	0.3845	-.32
504	0.3800	-.34
619	0.3770	-.40
684	0.3725	-.50
350	0.3355	-1.24
--	Method 127.00	--
848	0.3050	-1.86
--	Method 127.05	--
626	0.4100	.86
Avg	0.3873	
038	0.3645	-.87
668	0.2722 S	-5.58
--	Method 128.00	--
227	0.9515	2.14
684	0.8915	1.11
676	0.8440	.33
160	0.8328	.13
675	0.8313	.09
619	0.8275	.03
Avg	0.8265	
644	0.8195	-.12
571	0.8260	-.14
504	0.8150	-.21
652	0.8050	-.38
350	0.7690	-.98
848	0.7050	-2.09
--	Method 128.05	--
038	0.8525	1.09
Avg	0.8462	
626	0.8400	-.56
668	0.5881 S	-23.06
--	Method 129.00	--
227	1.7680	1.46
684	1.7640	1.41
676	1.7255 R	.93
675	1.7226	.84
652	1.6750	.19
Avg	1.6626	
571	1.6600	-.04
644	1.6430	-.28
619	1.6350	-.39
--	Method 129.00	--
160	1.6350	-.41
350	1.5885	-1.03
848	1.5350	-1.78
504	0.1550 s	-20.93
--	Method 129.05	--
038	1.7030	.79
626	1.6550	.49
Avg	1.5777	
668	1.3752	-1.28
--	Method 130.00	--
504	1.6500 s	26.67
675	0.8660	1.88
160	0.8493	1.36
676	0.8240	.60
652	0.8150	.31
Avg	0.8066	
350	0.8010	-.26
571	0.7905	-.51
619	0.7850	-.70
644	0.7815	-.79
684	0.7805	-1.03
227	0.7735	-1.06
848	0.6500 s	-4.95
--	Method 130.05	--
723	0.8550	.93
626	0.8250	.53
038	0.7985	.12
Avg	0.7925	
668	0.6913	-1.53
--	Method 131.00	--
504	0.8100 s	98.97
350	0.2330	1.38
644	0.2290	.97
652	0.2250	.85
675	0.2272	.76
--	Method 131.00	--
Avg	0.2249	
160	0.2227	-.54
684	0.2230	-.91
571	0.2190	-1.06
619	0.2205	-1.07
848	0.1650 s	-10.17
--	Method 131.02	--
676	0.3050	.87
Avg	0.2710	
227	0.2370	-.86
--	Method 131.05	--
038	0.4265 S	10.11
626	0.2350	1.20
610	0.2350	.24
Avg	0.2350	
--	Method 131.99	--
668	0.2884	.71
--	Method 132.00	--
160	0.9339	1.20
227	0.9265	.99
676	0.9135	.66
684	0.8970	.35
675	0.8930	.26
350	0.8920	.24
644	0.8795	.03
Avg	0.8793	
571	0.8790	-.06
619	0.8775	-.06
652	0.8350	-1.05
848	0.7450	-2.51
504	0.2050 s	-12.53

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AAFCO - Feed Check Sample No. - 200925 Beef Cattle Grower, Medicated

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index
--	Method 132.05	--
626	0.9450	1.15
Avg	0.8510	
038	0.8445	-.11
668	0.7634	-1.08
--	Method 133.00	--
848	1.9850	2.12
676	1.8580	.98
227	1.8565	.80
160	1.8157	.37
Avg	1.7800	
619	1.7500	-.33
652	1.7250	-.57
571	1.7000	-.83
684	1.7120	-.84
644	1.7005	-.84
675	1.6976	-.85
504	0.8800 s	-9.28
--	Method 133.05	--
626	1.9800	1.26
Avg	1.7180	
038	1.6350	-.40
668	1.5389	-.86
--	Method 134.00	--
676	1.5175	1.33
504	1.5200	1.33
619	1.4600	.61
652	1.4400	.38
571	1.4350	.31
160	1.4316	.28
675	1.4190	.11
Avg	1.4102	
684	1.3990	-.26
350	1.3890	-.26
227	1.3590	-.62
644	1.3475	-.76
848	1.2050	-2.48

Lab	Average*	Index
--	Method 134.05	--
038	1.5340	1.31
626	1.5700	.65
Avg	1.5308	
668	1.4883	-.59
--	Method 135.00	--
676	1.1955	1.38
684	1.1620	.90
160	1.1653	.86
227	1.1200	.53
652	1.1350	.34
571	1.1250	.18
644	1.1220	.11
Avg	1.1157	
619	1.1150	-.08
350	1.1060	-.16
675	1.0464	-1.17
848	0.9800	-2.29
504	0.1250 s	-16.65
--	Method 135.05	--
038	1.1225	1.05
668	1.0340	.13
Avg	1.0222	
626	0.9100	-1.17
--	Method 136.00	--
684	0.1995	.71
--	Method 136.01	--
227	0.1750	1.61
644	0.1735	.35
Avg	0.1724	
619	0.1715	-.29
571	0.1695	-.83

Lab	Average*	Index
--	Method 136.99	--
038	0.1395	-.71
--	Method 137.00	--
160	0.8026	2.02
676	0.6850	.61
684	0.6725	.52
Avg	0.6369	
675	0.6226	-.17
644	0.6130	-.29
350	0.6065	-.38
227	0.5580	-.96
848	0.5350	-1.26
504	0.1600 s	-5.82
--	Method 137.05	--
038	0.6075	.52
Avg	0.5939	
668	0.5843	-.35
626	0.5900	-1.45
--	Method 138.00	--
227	1.4050	1.89
160	1.3487	1.34
676	1.2315	.21
675	1.2135	.09
Avg	1.2096	
644	1.2060	-.04
619	1.2000	-.13
571	1.1850	-.24
350	1.1715	-.37
684	1.1985 R	-.53
652	1.0950	-1.10
848	1.0400	-1.63
504	0.6050 s	-5.79
--	Method 138.05	--
626	1.2200	.46
Avg	1.2093	
038	1.1985	-1.14

Lab	Average*	Index
--	Method 138.05	--
668	0.7683 S	-18.73
--	Method 139.00	--
504	1.3200	.71
--	Method 139.99	--
504	1.1050	.71

* 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. - 200925 Beef Cattle Grower, Medicated

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	5	-1.0640	2.50	0.89	009.09	18	0.0120	0.98	0.15
000.99	3	0.0000	1.12	0.03	009.99	5	0.0000	1.06	0.08
001.00	10	0.0000	1.03	0.06	010.03	5	0.0000	1.05	0.10
001.03	5	0.0000	1.06	0.09	010.11	11	0.0000	1.02	0.11
001.07	39	0.0047	1.31	0.15	010.99	12	0.0000	1.02	0.07
001.99	18	0.3964	1.50	0.07	011.01	85	0.9839	8.12	0.12
002.00	5	0.0000	1.02	0.24	012.00	7	0.0000	1.03	0.14
002.01	8	0.0000	0.91	0.46	012.01	2	0.0000	1.14	0.32
002.02	7	0.3080	1.23	1.09	012.03	2	0.0000	1.21	0.13
002.04	6	0.0000	1.04	0.09	012.04	5	0.0000	1.06	0.04
002.05	20	0.0303	1.52	0.28	013.02	30	0.0505	1.02	0.20
002.06	128	-0.0761	1.92	0.39	013.10	14	0.0000	0.99	0.25
002.08	6	0.9844	2.59	0.08	013.99	3	1.1177	2.12	0.23
002.10	12	-0.4737	2.54	0.64	015.00	12	0.0000	1.02	0.05
002.11	13	-0.1780	2.07	0.17	017.00	8	38.0929	107.98	12.48
002.99	6	0.0000	1.05	0.07	017.99	2	0.0000	1.22	0.05
003.00	22	0.5038	1.56	0.34	018.02	4	0.0000	1.07	0.13
003.06	29	0.5522	1.89	0.23	019.00	15	-0.4280	3.07	0.20
003.09	21	-0.0135	0.98	0.18	019.01	45	-0.7957	3.89	0.22
003.10	32	0.1425	1.45	0.31	019.03	4	0.0000	1.07	0.11
003.11	12	0.3947	1.68	0.07	019.05	38	-0.0708	1.03	0.37
003.12	4	0.0000	1.05	0.23	019.08	6	0.0000	1.03	0.20
003.13	6	-0.3535	1.28	0.41	019.09	33	0.2331	1.33	0.60
003.14	15	-0.0304	0.97	0.21	019.99	6	0.0000	0.91	0.48
003.99	11	0.0000	1.01	0.19	020.00	2	0.0000	1.21	0.13
004.00	32	0.4765	4.20	0.15	020.01	7	0.0000	1.03	0.16
004.01	2	0.0000	1.22	0.11	020.99	2	0.0000	1.22	0.06
004.03	3	0.0000	0.93	0.50	021.01	5	0.0000	1.06	0.04
004.06	33	0.0630	1.03	0.37	021.02	16	0.3140	1.43	0.23
004.07	37	0.0357	0.98	0.11	021.99	2	0.0000	0.98	0.52
004.11	12	1.7041	7.92	7.46	022.01	24	5.5462	27.10	0.22
004.99	6	0.1201	0.99	0.11	022.03	33	-0.0013	0.97	0.26
005.00	132	-0.1029	1.49	0.12	022.05	33	-0.0961	1.16	0.28
005.11	11	0.0000	1.02	0.06	022.99	3	0.0000	1.05	0.31
005.99	14	-0.0632	0.98	0.48	025.01	21	-0.1854	1.30	0.11
008.02	15	0.0873	1.03	0.17	025.03	32	-0.0180	1.02	0.34
008.08	22	0.0000	1.00	0.17	025.05	29	0.0363	1.01	0.12
008.99	7	0.0000	1.02	0.17	025.99	2	0.0000	1.22	0.06
009.07	12	0.0000	0.99	0.25	026.00	3	0.0000	1.10	0.18

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
026.99	2	0.0000	1.22	0.09
027.01	25	0.9870	4.15	0.37
027.03	35	291.4397	1723.50	1723.43
027.05	30	0.0131	0.97	0.24
027.99	3	1.0668	2.04	0.20
028.01	25	5.0914	24.13	0.30
028.03	31	-0.1435	1.21	0.24
028.05	32	-0.0059	0.98	0.21
028.99	3	0.0000	0.71	0.71
031.01	54	-0.3694	2.58	0.20
031.02	3	0.0000	0.79	0.65
031.03	6	0.0000	1.00	0.30
031.05	64	0.1041	1.03	0.35
031.06	3	0.0000	0.80	0.64
031.99	11	1.1700	2.77	0.19
032.01	30	-0.8516	3.68	0.15
032.02	9	0.0000	0.97	0.32
032.05	65	0.2007	1.58	0.68
032.99	5	-0.9722	1.94	0.69
033.00	28	-0.5700	2.32	0.17
033.01	32	-0.5492	2.14	0.99
033.03	7	-0.5975	30.90	1.92
033.99	9	1.2240	3.79	0.18
034.04	7	0.0000	1.04	0.02
034.05	6	3.5580	8.75	0.51
034.99	2	0.0000	1.10	0.38
035.00	24	0.2564	1.88	0.25
035.01	3	0.0000	1.06	0.29
035.03	52	0.0481	1.21	0.43
035.05	12	0.0526	0.99	0.17
035.99	3	0.0000	1.10	0.14
036.03	26	-0.2079	1.30	0.11
037.01	26	5.7272	29.84	0.65
037.03	33	0.4105	3.26	0.30
037.05	33	0.1669	1.22	0.19
037.99	3	0.0000	1.04	0.33
038.00	10	0.1259	2.34	0.29
039.02	5	0.0000	1.03	0.23
041.00	3	0.0000	1.11	0.13
065.00	4	0.0000	1.00	0.35
065.01	3	0.0000	1.02	0.38
065.03	10	0.0000	1.01	0.17
065.99	3	0.0000	1.05	0.32
105.00	2	0.0000	1.20	0.18
106.00	3	0.0000	1.08	0.23
106.02	21	445.6670	2040.59	66.38
106.99	2	0.0000	1.02	0.48
108.02	5	2.5392	5.75	0.51
109.02	8	0.0000	1.03	0.05
120.00	12	0.0000	1.01	0.13
120.05	3	0.0000	1.12	0.05
121.00	12	0.3328	1.50	0.17
121.05	3	0.0000	1.10	0.15
122.00	12	0.0118	0.97	0.16
122.05	3	0.0000	1.11	0.10
124.00	10	-0.1570	1.08	0.33
124.02	2	0.0000	1.17	0.25
124.05	2	0.0000	1.17	0.25
125.00	12	0.0000	1.00	0.19
125.05	3	0.0000	1.12	0.05
126.00	12	0.1203	0.98	0.20
126.05	3	0.0000	1.11	0.08
127.00	12	0.0000	1.02	0.10
127.05	3	-1.4555	2.66	2.01
128.00	12	0.0000	1.02	0.11
128.05	3	-7.6801	13.31	0.80
129.00	12	-1.6712	6.14	0.14
129.05	3	0.0000	1.12	0.07
130.00	12	1.8097	8.01	0.24
130.05	4	0.0000	1.05	0.20
131.00	10	8.8837	31.82	0.63
131.02	2	0.0000	1.21	0.13
131.05	3	3.0665	5.31	2.53
132.00	12	-1.0437	3.73	0.31
132.05	3	0.0000	1.11	0.08
133.00	11	-0.8440	2.95	0.24
133.05	3	0.0000	1.12	0.04
134.00	12	0.0000	1.01	0.13

AAFCO - Feed Check Sample No. - 200925 Beef Cattle Grower, Medicated

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
134.05	3	0.0000	0.54	0.80
135.00	12	-1.3868	4.90	0.27
135.05	3	0.0000	1.12	0.05
136.01	4	0.0000	0.68	0.72
137.00	9	-0.6460	2.16	0.16
137.05	3	0.0000	0.44	0.84
138.00	12	-0.4912	1.91	0.20
138.05	3	-6.2433	10.82	0.60

Method Code	Number Of Labs	Avg Bias of Labs	Std Dev of Biases	Std Dev Within Labs