

Feed Check Sample No. - 200895 Canned Cat Food  
 Association of American Feed Control Officials

- Pass 1 Results for 61 Labs - - Pass 2 Results for 60 Labs -

Method	AOAC 18th	Method Code	No. of Labs	Grand Avg.	Std. Dev.	Average Range of Dups	No. of Labs	Grand Avg.	Std. Dev.	Average Range of Dups
Loss on Drying, Vac 95 deg 5 hr	934.01	001.00	4	76.2275	0.46225	0.11500	4	76.2275	0.46225	0.11500
Loss on Drying, ISO 6496		001.03	1	76.5200	0.05657	0.08000	1	76.5200	0.05657	0.08000
Loss on Drying, 104 deg 3 hr, in malt	935.29	001.07	9	76.3978	0.84044	0.24889	8	76.2406	0.71150	0.11625
Loss on Drying, 102 deg 16 hr, in meat	950.46	001.08	4	76.8379	0.59797	0.05625	4	76.8379	0.59797	0.05625
Loss on Drying, Misc		001.99	6	76.5675	0.83157	0.28167	5	76.6090	0.88459	0.14600
Method Group 001.XX PCT			24	76.4903	0.73460	0.19563	22	76.4432	0.70215	0.11023
Protein, Crude	954.01	002.00	2	11.1375	0.49291	0.16500	2	11.1375	0.49291	0.16500
Protein, Auto Kjell-Foss	976.05	002.01	1	11.7000	0.56569	0.80000	1	11.7000	0.56569	0.80000
Protein, Semiauto Autoanalyzer	976.06	002.02	1	10.9150	0.03536	0.05000	1	10.9150	0.03536	0.05000
Protein, Copper Cat	984.13	002.04	1	11.5050	0.26163	0.37000	1	11.5050	0.26163	0.37000
Protein, Copper, Boric Acid		002.05	1	11.3060	0.04525	0.06400	1	11.3060	0.04525	0.06400
Protein, Combustion Nitrogen Analyzer	990.03	002.06	44	11.2687	0.46733	0.19273	41	11.2685	0.46751	0.15095
Protein, Cu/Ti	988.05	002.08	2	11.1750	0.09000	0.03000	2	11.1750	0.09000	0.03000
Protein, NIR		002.11	1	10.2500	0.02828	0.04000	1	10.2500	0.02828	0.04000
Protein, Misc		002.99	1	12.5650	0.04950	0.07000	1	12.5650	0.04950	0.07000
Method Group 002.XX PCT			54	11.2720	0.49695	0.19007	51	11.2720	0.49879	0.15633
Fat, Eth Ext, Direct	920.39	003.00	9	7.83500	0.30394	0.14244	9	7.83500	0.30394	0.14244
Fat, Ind Eth Ext (13th ed), Indirect	920.39	003.01	1	8.83000	0.02828	0.04000	1	8.83000	0.02828	0.04000
Fat, Pet Ether		003.06	6	7.92825	0.35958	0.10717	6	7.92825	0.35958	0.10717
Fat, Soxtec, Eth Ext		003.09	4	7.61125	0.13871	0.10750	4	7.61125	0.13871	0.10750
Fat, Soxtec, Pet Ether		003.10	1	7.22700	0.01556	0.02200	1	7.22700	0.01556	0.02200
Fat, Hexane Ext.		003.12	1	8.91500	0.00707	0.01000	1	8.91500	0.00707	0.01000
Fat, Ankom		003.14	2	7.52500	0.34761	0.50000	2	7.52500	0.34761	0.50000
Fat, Misc		003.99	6	7.91583	0.30723	0.12833	5	7.85700	0.27797	0.05000
Method Group 003.XX PCT			30	7.86822	0.42152	0.13990	29	7.85643	0.42107	0.12679
Fiber, Crude Asbestos Free	962.09	004.00	1	0.00000	0.00000	0.00000	1	0.00000	0.00000	0.00000
Fiber, Fibertec		004.06	3	0.17700	0.03493	0.04267	3	0.17700	0.03493	0.04267
Fiber, ANKOM		004.07	9	0.21850	0.12134	0.05367	9	0.21850	0.12134	0.05367
Fiber, NIR		004.11	1	0.76000	0.00000	0.00000	1	0.76000	0.00000	0.00000
Method Group 004.XX PCT			14	0.23268	0.18689	0.04364	14	0.23268	0.18689	0.04364
Ash, .....	942.05	005.00	37	2.18154	0.10435	0.08574	34	2.17668	0.08752	0.06036
Ash, Sugars & Syrups	900.02	005.01	1	2.12500	0.09192	0.13000	1	2.12500	0.09192	0.13000
Ash, LECO		005.02	1	2.10000	0.00000	0.00000	1	2.10000	0.00000	0.00000
Ash, Microwave Furnace		005.03	2	2.09250	0.03096	0.02500	2	2.09250	0.03096	0.02500
Ash, Misc		005.99	4	2.19250	0.13167	0.05500	4	2.19250	0.13167	0.05500
Method Group 005.XX PCT			45	2.17549	0.10475	0.07938	42	2.17112	0.09123	0.05839
Fiber, Acid Detergent	973.18	008.02	1	0.38500	0.02121	0.03000	1	0.38500	0.02121	0.03000
Fiber, Acid Detergent by ANKOM		008.08	4	0.40000	0.20633	0.05000	4	0.40000	0.20633	0.05000
Method Group 008.XX PCT			5	0.39700	0.18221	0.04600	5	0.39700	0.18221	0.04600

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Fiber, Neutral Det-ENZ Pretreat .....		009.07	1	4.18000	0.05657	0.08000	1	4.18000	0.05657	0.08000
Fiber, Neutral Detergent by ANKOM .....		009.09	3	3.84500	2.14904	0.25000	3	3.84500	2.14904	0.25000
Method Group 009.XX PCT			4	3.92875	1.82301	0.20750	4	3.92875	1.82301	0.20750
Moisture, Karl-Fischer .....	966.20	010.03	5	75.1040	2.87249	0.32400	5	75.1040	2.87249	0.32400
Moisture, NIR .....		010.11	1	76.2550	0.02121	0.03000	1	76.2550	0.02121	0.03000
Moisture, Misc .....		010.99	5	76.5450	0.71334	0.34600	5	76.5450	0.71334	0.34600
Method Group 010.XX PCT			11	75.8636	2.06514	0.30727	11	75.8636	2.06514	0.30727
Loss on Drying, 135 deg 2 hr .....	930.15	011.01	20	76.7302	0.62596	0.26825	19	76.7326	0.63300	0.23237
Loss on Drying, High Temp Methods, Misc		011.99	2	77.5828	0.10894	0.03750	2	77.5828	0.10894	0.03750
Method Group 011.XX PCT			22	76.8077	0.64627	0.24727	21	76.8136	0.65289	0.21381
Fat, Mojonnier, Bak Ext .....	954.02	013.02	15	8.07037	0.64377	0.34153	14	8.10714	0.63032	0.28000
Fat, Soxtec-Acid Hydrolysis .....		013.10	7	8.33357	0.69307	0.13286	7	8.33357	0.69307	0.13286
Fat, Super Critical Fluid Extraction ..		013.11	2	7.51975	0.80936	0.47150	2	7.51975	0.80936	0.47150
Fat, Ankon-Acid Hydrolysis .....		013.13	2	8.39250	0.21061	0.16500	2	8.39250	0.21061	0.16500
Method Group 013.XX PCT			26	8.12365	0.66879	0.28177	25	8.14638	0.66112	0.24492
Calcium, At Abs Spect .....	968.08	019.01	10	0.39481	0.04658	0.02455	10	0.39481	0.04658	0.02455
Calcium, Semiauto (Autoanalyzer) .....		019.03	1	0.39850	0.00071	0.00100	1	0.39850	0.00071	0.00100
Calcium, ICP, Dry Ash.....		019.05	12	0.38998	0.04038	0.02217	12	0.38998	0.04038	0.02217
Calcium, ICP, Wet Ash .....		019.09	5	0.36202	0.08508	0.03120	5	0.36202	0.08508	0.03120
Calcium, Misc .....		019.99	2	0.37500	0.03680	0.01300	2	0.37500	0.03680	0.01300
Method Group 019.XX PCT			30	0.38621	0.05149	0.02315	30	0.38621	0.05149	0.02315
Cobalt, AA .....	968.08	021.01	1	0.30000	0.00000	0.00000	1	0.30000	0.00000	0.00000
Cobalt, ICP .....		021.02	1	0.40000	0.14142	0.20000	1	0.40000	0.14142	0.20000
Method Group 021.XX PPM			2	0.35000	0.10000	0.10000	2	0.35000	0.10000	0.10000
Copper, AA .....	968.08	022.01	5	4.16000	0.90333	0.24000	4	4.07500	0.96769	0.05000
Copper, ICP, Dry Ash .....	968.08	022.03	7	4.36450	1.48091	0.61414	8	3.81894	2.03053	0.53738
Copper, ICP, Wet Ash .....	968.08	022.05	5	3.43400	0.38750	0.18400	5	3.43400	0.38750	0.18400
Copper, Misc .....		022.99	1	3.40000	0.02828	0.04000	1	3.40000	0.02828	0.04000
Method Group 022.XX PPM			18	3.99564	1.11157	0.35883	17	3.96597	1.13093	0.32112
Iron, AA .....	968.08	025.01	5	60.7200	11.9455	1.76000	5	60.7200	11.9455	1.76000
Iron, ICP, Dry Ash .....	968.08	025.03	9	63.4929	6.12085	3.38722	9	63.4929	6.12085	3.38722
Iron, ICP, Wet Ash .....	968.08	025.05	4	60.6038	9.72046	2.36250	4	60.6038	9.72046	2.36250
Iron, Misc .....		025.99	1	63.5600	1.45664	2.06000	1	63.5600	1.45664	2.06000
Method Group 025.XX PPM			19	62.1585	8.48003	2.67342	19	62.1585	8.48003	2.67342
Magnesium, AA .....	968.08	027.01	8	0.01711	0.00239	0.00095	8	0.01711	0.00239	0.00095
Magnesium, ICP, Dry Ash .....	968.08	027.03	7	0.01603	0.00364	0.00109	6	0.01662	0.00344	0.00043
Magnesium, ICP, Wet Ash .....	968.08	027.05	5	0.01722	0.00194	0.00100	5	0.01722	0.00194	0.00100
Method Group 027.XX PCT			20	0.01676	0.00279	0.00101	19	0.01698	0.00261	0.00080
Manganese, AA .....	968.08	028.01	5	5.41000	1.03113	0.26000	4	5.63750	0.99991	0.07500

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Manganese, ICP, Dry Ash .....	968.08	028.03	8	4.88181	0.98413	0.62013	8	4.88181	0.98413	0.62013
Manganese, ICP, Wet Ash .....	968.08	028.05	5	4.56660	0.89322	0.37480	5	4.56660	0.89322	0.37480
Manganese, Misc. ....		028.99	1	4.83500	0.00707	0.01000	1	4.83500	0.00707	0.01000
Method Group 028.XX PPM			19	4.93539	0.97198	0.42868	18	4.95958	0.98642	0.39694
Phosphorus, Photometric .....	965.17	031.01	6	0.33825	0.02849	0.03083	6	0.33825	0.02849	0.03083
Phosphorus, GQMP (2.028) .....	964.06	031.02	2	0.32625	0.03097	0.02450	2	0.32625	0.03097	0.02450
Phosphorus, Autoanalyzer .....		031.03	2	0.34125	0.01043	0.00810	2	0.34125	0.01043	0.00810
Phosphorus, ICP .....		031.05	14	0.34118	0.04099	0.02299	14	0.34118	0.04099	0.02299
Phosphorus, Misc .....		031.99	1	0.33500	0.00424	0.00600	1	0.33500	0.00424	0.00600
Method Group 031.XX PCT			25	0.33904	0.03451	0.02312	25	0.33904	0.03451	0.02312
Potassium, AA .....	975.03	032.01	8	0.22775	0.01501	0.00575	8	0.22775	0.01501	0.00575
Potassium, Flame Emission .....	956.01	032.02	2	0.22243	0.03300	0.00815	2	0.22243	0.03300	0.00815
Potassium, ICP .....		032.05	16	0.23323	0.01461	0.00514	16	0.23323	0.01461	0.00514
Method Group 032.XX PCT			26	0.23071	0.01650	0.00556	26	0.23071	0.01650	0.00556
Salt, Poten Cl .....	969.10	033.01	7	0.61000	0.01468	0.00571	7	0.61000	0.01468	0.00571
Method Group 033.XX PCT			7	0.61000	0.01468	0.00571	7	0.61000	0.01468	0.00571
Selenium, Fluor .....	969.06	034.01	1	0.33550	0.00071	0.00100	1	0.33550	0.00071	0.00100
Selenium, AA, Hydride .....		034.04	1	0.35000	0.00000	0.00000	1	0.35000	0.00000	0.00000
Selenium, Misc .....		034.99	2	0.32250	0.08958	0.00500	2	0.32250	0.08958	0.00500
Method Group 034.XX PPM			4	0.33263	0.05989	0.00275	4	0.33263	0.05989	0.00275
Sodium, AA .....		035.00	5	0.23450	0.01375	0.00980	5	0.23450	0.01375	0.00980
Sodium, ICP .....		035.03	11	0.23460	0.01468	0.00812	11	0.23460	0.01468	0.00812
Sodium, Flame Emission .....	956.01	035.05	1	0.23225	0.00035	0.00050	1	0.23225	0.00035	0.00050
Sodium, Misc .....		035.99	1	0.27500	0.00707	0.01000	1	0.27500	0.00707	0.01000
Method Group 035.XX PCT			18	0.23669	0.01638	0.00827	18	0.23669	0.01638	0.00827
Sulfur, ICP .....		036.03	5	0.12304	0.01209	0.00292	4	0.12080	0.01233	0.00115
Method Group 036.XX PCT			5	0.12304	0.01209	0.00292	4	0.12080	0.01233	0.00115
Zinc, AA .....	968.08	037.01	5	36.0700	4.11233	2.42000	5	36.0700	4.11233	2.42000
Zinc, ICP, Dry Ash .....	968.08	037.03	9	36.3047	3.97731	2.20178	9	36.3047	3.97731	2.20178
Zinc, ICP, Wet Ash .....	968.08	037.05	5	36.5080	7.05116	3.25600	5	36.5080	7.05116	3.25600
Zinc, Misc .....		037.99	1	38.8650	0.06364	0.09000	1	38.8650	0.06364	0.09000
Method Group 037.XX PPM			20	36.4249	4.75582	2.41430	20	36.4249	4.75582	2.41430
Molybdenum, Misc .....		038.99	1	0.30000	0.00000	0.00000	1	0.30000	0.00000	0.00000
Nickel, AA .....		039.01	1	0.40000	0.00000	0.00000	1	0.40000	0.00000	0.00000
Riboflavin, Fluorometric .....	970.65	104.00	1	3.83000	0.02828	0.04000	1	3.83000	0.02828	0.04000
Thiamine, HPLC .....		105.00	1	7.12500	1.95869	2.77000	1	7.12500	1.95869	2.77000
Thiamine, .....	942.23	105.01	1	10.1150	0.19092	0.27000	1	10.1150	0.19092	0.27000
Method Group 105.XX MG/LB			2	8.62000	2.06664	1.52000	2	8.62000	2.06664	1.52000
Vitamin A, HPLC .....		106.02	5	4.12700	1.62411	0.22200	5	4.12700	1.62411	0.22200

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Method Group 106.XX KU/LB			5	4.12700	1.62411	0.22200	5	4.12700	1.62411	0.22200
Vitamin D3, HPLC .....		108.02	1	0.26300	0.00990	0.01400	1	0.26300	0.00990	0.01400
Vitamin E, HPLC .....		109.02	2	29.8350	7.38442	1.50000	2	29.8350	7.38442	1.50000
Vitamin E, Misc .....		109.99	1	23.5000	0.70711	1.00000	1	23.5000	0.70711	1.00000
Method Group 109.XX MG/KG			3	27.7233	6.59695	1.33333	3	27.7233	6.59695	1.33333
Alanine, Post-col Ninhydrin Der .....	994.12	120.00	3	0.73883	0.05611	0.01693	3	0.73883	0.05611	0.01693
Method Group 120.XX PCT			3	0.73883	0.05611	0.01693	3	0.73883	0.05611	0.01693
Arginine, Post-col Ninhydrin Der .....	994.12	121.00	3	0.60395	0.03083	0.01030	3	0.60395	0.03083	0.01030
Method Group 121.XX PCT			3	0.60395	0.03083	0.01030	3	0.60395	0.03083	0.01030
Aspartic, Post-col Ninhydrin Der .....	994.12	122.00	3	0.87793	0.02458	0.02193	3	0.87793	0.02458	0.02193
Method Group 122.XX PCT			3	0.87793	0.02458	0.02193	3	0.87793	0.02458	0.02193
Cysteine/Cystine, PAO Post-col Ninhydrin Der	994.12	124.00	2	0.12150	0.01950	0.00580	2	0.12150	0.01950	0.00580
Cysteine/Cystine, PAO Post-col OPA Der		124.02	1	0.09000	0.00000	0.00000	1	0.09000	0.00000	0.00000
Method Group 124.XX PCT			3	0.11100	0.02220	0.00387	3	0.11100	0.02220	0.00387
Glutamic, Post-col Ninhydrin Der .....	994.12	125.00	3	1.25743	0.06616	0.02480	3	1.25743	0.06616	0.02480
Method Group 125.XX PCT			3	1.25743	0.06616	0.02480	3	1.25743	0.06616	0.02480
Glycine, Post-col Ninhydrin Der .....	994.12	126.00	3	1.28365	0.03536	0.02250	3	1.28365	0.03536	0.02250
Method Group 126.XX PCT			3	1.28365	0.03536	0.02250	3	1.28365	0.03536	0.02250
Histidine, Post-col Ninhydrin Der .....	994.12	127.00	3	0.27905	0.03738	0.00623	3	0.27905	0.03738	0.00623
Method Group 127.XX PCT			3	0.27905	0.03738	0.00623	3	0.27905	0.03738	0.00623
Isoleucine, Post-col Ninhydrin Der ....	994.12	128.00	3	0.37068	0.04165	0.00630	3	0.37068	0.04165	0.00630
Method Group 128.XX PCT			3	0.37068	0.04165	0.00630	3	0.37068	0.04165	0.00630
Leucine, Post-col Ninhydrin Der .....	994.12	129.00	3	0.78875	0.04120	0.01617	3	0.78875	0.04120	0.01617
Method Group 129.XX PCT			3	0.78875	0.04120	0.01617	3	0.78875	0.04120	0.01617
L-Lysine, Post-col Ninhydrin Der .....	994.12	130.00	3	0.65603	0.05296	0.01120	3	0.65603	0.05296	0.01120
Method Group 130.XX PCT			3	0.65603	0.05296	0.01120	3	0.65603	0.05296	0.01120
Methionine, PAO Post-col Ninhydrin Der	994.12	131.00	2	0.19578	0.00463	0.00745	2	0.19578	0.00463	0.00745
Methionine, PAO Post-col OPA Der .....		131.02	1	0.18200	0.00566	0.00800	1	0.18200	0.00566	0.00800
Method Group 131.XX PCT			3	0.19118	0.00836	0.00763	3	0.19118	0.00836	0.00763
Phenylalanine, Post-col Ninhydrin Der .	994.12	132.00	3	0.45735	0.05466	0.01123	3	0.45735	0.05466	0.01123
Method Group 132.XX PCT			3	0.45735	0.05466	0.01123	3	0.45735	0.05466	0.01123
Proline, Post-col Ninhydrin Der .....	994.12	133.00	3	0.60493	0.02577	0.01840	3	0.60493	0.02577	0.01840
Method Group 133.XX PCT			3	0.60493	0.02577	0.01840	3	0.60493	0.02577	0.01840
Serine, Post-col Ninhydrin Der .....	994.12	134.00	3	0.42442	0.02258	0.02143	3	0.42442	0.02258	0.02143
Method Group 134.XX PCT			3	0.42442	0.02258	0.02143	3	0.42442	0.02258	0.02143
Threonine, Post-col Ninhydrin Der .....	994.12	135.00	3	0.43185	0.03647	0.02070	3	0.43185	0.03647	0.02070
Method Group 135.XX PCT			3	0.43185	0.03647	0.02070	3	0.43185	0.03647	0.02070
Tryptophan, Alka-Hydrol Rev Phase LC UV		136.01	1	0.17360	0.00382	0.00540	1	0.17360	0.00382	0.00540
Tryptophan, Misc .....		136.99	1	0.09500	0.00707	0.01000	1	0.09500	0.00707	0.01000

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- Pass 1 Results for 61 Labs - - Pass 2 Results for 60 Labs -

Method	AOAC 18th	Method Code	No. of Labs	Grand Avg.	Std. Dev.	Average Range of Dups	No. of Labs	Grand Avg.	Std. Dev.	Average Range of Dups
Method Group 136.XX PCT			2	0.13430	0.04562	0.00770	2	0.13430	0.04562	0.00770
Tyrosine, Post-col Ninhydrin Der .....	994.12	137.00	3	0.33768	0.03428	0.00897	3	0.33768	0.03428	0.00897
Method Group 137.XX PCT			3	0.33768	0.03428	0.00897	3	0.33768	0.03428	0.00897
Valine, Post-col Ninhydrin Der .....	994.12	138.00	3	0.51450	0.04624	0.00620	3	0.51450	0.04624	0.00620
Method Group 138.XX PCT			3	0.51450	0.04624	0.00620	3	0.51450	0.04624	0.00620
Taurine, Post-col Ninhydrin Der .....	994.12	139.00	4	0.06809	0.00287	0.00153	4	0.06809	0.00287	0.00153
Method Group 139.XX PCT			4	0.06809	0.00287	0.00153	4	0.06809	0.00287	0.00153
Linoleic Acid, .....		210.01	2	0.98225	0.33237	0.01050	2	0.98225	0.33237	0.01050
Method Group 210.XX PCT			2	0.98225	0.33237	0.01050	2	0.98225	0.33237	0.01050

## Laboratory Averages &amp; Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
--	Method 001.00	--	--	Method 002.00	--	--	Method 002.06	--	--	Method 003.00	--	--	Method 003.12	--
783	76.615	.85	028	11.550	.84	781	11.260	-.07	035	8.1950	1.29	670	8.9150	.71
033	76.585	.81	Avg	11.138		160	11.210	-.14	139	8.1400	1.00			
Avg	76.228		826	10.725	-.89	098	11.200	-.15	033	7.9050	.44	--	Method 003.14	--
029	76.150	-.17	--	Method 002.01	--	164	11.175	-.21	026	7.9400	.40	185	7.6750	.66
504	75.560	-1.45	652	11.700	.71	229	11.170	-.21	039	7.9470	.37	Avg	7.5250	
--	Method 001.03	--	--	Method 002.02	--	006	11.219	-.22	Avg	7.8350		021	7.3750	-1.03
663	76.520	-.71	033	10.915	.71	788	11.160	-.24	164	7.8300	-.10	--	Method 003.99	--
--	Method 001.05	--	--	Method 002.04	--	139	11.155	-.24	300	7.7250	-.63	821	8.3200	1.67
610	82.745 S	.00	504	11.505	.71	646	11.155	-.24	512	7.6380	-.71	736	8.2100 R	1.58
--	Method 001.07	--	--	Method 002.05	--	650	11.155	-.26	032	7.1950	-2.11	706	7.9500	.38
512	77.655 R	2.19	039	11.306	.71	032	11.220	-.30	--	Method 003.01	--	Avg	7.8570	
098	76.900	.93	--	Method 002.06	--	004	11.125	-.32	504	8.8300	.71	737	7.7400	-.42
035	76.815	.81	018	14.105 s	6.08	096	11.175	-.32	--	Method 003.06	--	646	7.7100	-.54
038	76.665	.60	038	13.120 s	3.96	670	11.060	-.45	185	8.4450	1.48	732	7.5650	-1.05
004	76.645	.57	776	12.900 s	3.65	035	10.995	-.61	011	8.1250	.61	810	5.7950 S	-7.65
014	76.410	.24	741	12.390	2.44	026	10.955	-.68	581	8.0600	.37	798	4.1050 S	-13.50
581	76.255	.05	814	12.230	2.06	732	10.945	-.73	Avg	7.9282		--	Method 004.00	--
Avg	76.241		798	12.225	2.05	014	11.010	-.80	039	7.8895	-.11	164	0.0000	.00
366	75.300	-1.35	630	12.165	1.93	505	10.825	-.95	003	7.6500	-.80	--	Method 004.06	--
074	74.935	-1.85	750	11.850	1.27	300	10.915	-.96	229	7.4000	-1.47	670	1.0000 S	23.59
--	Method 001.08	--	074	11.740	1.13	512	10.730	-1.21	003	7.6500	-.80	038	0.2050	1.28
676	77.726	1.49	768	11.755	1.05	504	10.725	-1.23	229	7.4000	-1.47	Avg	0.1770	
737	76.885	.08	792	11.473 R	.82	021	10.910 R	-1.28	--	Method 003.09	--	676	0.1610	-.47
Avg	76.838		736	11.430 R	.81	121	10.620	-1.39	505	7.7200	.79	610	0.1650	-.79
229	76.460	-.63	737	11.580	.67	676	10.556	-1.52	038	7.6450	.35	--	Method 004.07	--
139	76.280	-.94	185	11.560	.62	783	10.250	-2.18	121	7.6400	.25	003	0.4700	2.07
--	Method 001.99	--	823	11.550	.61	--	Method 002.08	--	Avg	7.6112		581	0.3400	1.08
096	77.400	.90	011	11.300	.43	160	11.250	.90	004	7.4400	-1.64	096	0.2500	.49
505	77.195	.67	417	11.439	.40	Avg	11.175		630	4.3150 s	-23.77	Avg	0.2185	
011	76.805	.22	761	11.405	.30	610	11.100	-.83	--	Method 003.10	--	185	0.2100	-.42
783	76.610	.05	810	11.310	.16	--	Method 002.11	--	676	7.2270	.71	160	0.1665	-.43
Avg	76.609		821	11.305	.12	553	10.250	.71	--	Method 003.11	--	505	0.1750	-.58
798	76.360 R	-.61	Avg	11.269		--	Method 002.99	--	553	6.0550 S	.00	035	0.1350	-.69
630	75.035	-1.79	003	11.240	-.06	706	12.565	.71				229	0.1150	-.85
												121	0.1050	-.94

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

## Laboratory Averages &amp; Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
--	Method 004.11	--	--	Method 005.00	--	--	Method 009.09	--	--	Method 011.01	--	--	Method 013.10	--
553	0.7600	.00	512	2.0615	-1.38	164	6.6000	1.29	300	76.685	-.61	610	7.8500	-.70
			750	2.0450	-2.00	Avg	3.8450		736	76.685 R	-.75	096	7.5500	-1.13
--	Method 005.00	--	821	2.1150 R	-2.12	185	2.6950	-.54	761	76.125	-1.01	663	7.5250	-1.17
548	9.7350 s	86.39	736	2.0100	-2.49	581	2.2400	-.75	750	76.100	-1.02			
810	2.4750 s	3.51	776	1.8900 s	-3.81				776	75.890	-1.35	--	Method 013.11	--
185	2.2850 R	2.96	021	1.7950 s	-4.66	--	Method 010.03	--	814	75.700	-1.63	417	8.1780	.89
798	2.3100 R	2.29				026	78.580	1.21	670	75.655	-1.70	Avg	7.5197	
038	2.3050	1.64	--	Method 005.01	--	768	76.755	.58				014	6.8615	-.85
814	2.2550	1.50	826	2.1250	.71	826	76.305	.43	--	Method 011.99	--			
035	2.3050	1.48				Avg	75.104		646	77.675	.88	--	Method 013.13	--
160	2.3000	1.43	--	Method 005.02	--	741	72.530	-.90	Avg	77.583		581	8.5550	.85
630	2.2850	1.25	610	2.1000	.00	823	71.350	-1.31	039	77.491	-.85	Avg	8.3925	
229	2.2850	1.24										027	8.2300	-.88
098	2.2300	.92	--	Method 005.03	--	--	Method 010.11	--	--	Method 013.02	--			
768	2.2400	.73	737	2.1150	.74	553	76.255	.71	366	8.8500	1.24	--	Method 019.01	--
300	2.2050	.71	Avg	2.0925					741	8.7800	1.07	646	0.6000 s	4.41
741	2.2050	.61	821	2.0700	-.97	--	Method 010.99	--	792	8.4450	.71	018	0.5075	2.44
646	2.1800	.46				028	77.320	1.11	164	8.5000	.62	035	0.4300	.76
504	2.1950	.45	--	Method 005.99	--	032	77.070	.74	029	8.4200	.60	650	0.4050	.39
026	2.2050	.43	706	2.3950	1.54	706	76.760	.32	074	8.2650	.27	670	0.3950	.11
033	2.2100	.40	Avg	2.1925		Avg	76.545		650	8.2250	.25	Avg	0.3948	
039	2.1791	.28	096	2.1500	-.50	417	75.775	-1.10	026	8.1100	.16	098	0.3800	-.38
366	2.2000	.27	663	2.1250	-.62	652	75.800	-1.19	761	8.1150	.06	505	0.3660	-.62
783	2.1900	.15	652	2.1000	-.70				Avg	8.1071		014	0.3680	-.68
121	2.1800	.12				--	Method 011.01	--	033	8.0350	-.12	038	0.3690	-.71
164	2.1850	.11	--	Method 008.02	--	039	77.755	1.62	823	7.8000	-.51	504	0.3601	-.79
505	2.1800	.04	098	0.3850	.71	098	77.600	1.38	776	7.9850	-.66	139	0.3675	-.83
Avg	2.1767					821	77.480	1.18	826	7.6450	-.82			
004	2.1750	-.06	--	Method 008.08	--	164	77.275	.86	548	7.5555 R	-1.29	--	Method 019.03	--
139	2.1750	-.17	033	0.7100	1.51	650	77.240	.80	814	6.3250	-2.83	033	0.3985	.71
650	2.1550	-.25	164	0.4000	.00	185	77.055	.54	768	4.9350 S	-5.03			
676	2.1300	-.54	Avg	0.4000		781	77.065	.54	750	4.8950 s	-5.12	--	Method 019.05	--
732	2.1350	-.62	581	0.2700	-.66	160	77.045	.50				003	0.5300 S	3.50
003	2.1250	-.66	185	0.2200	-.88	021	76.750	.24	--	Method 013.10	--	004	0.4515	1.57
761	2.1150	-.73				Avg	76.733		185	9.2000	1.27	553	0.4405	1.31
670	2.1000	-.91	--	Method 009.07	--	792	76.675	-.25	652	9.2000	1.25	185	0.4233	.86
417	2.1015	-.93	663	4.1800	.71	732	76.575	-.26	028	8.6000	.41	548	0.3996	.44
781	2.0850	-1.09				810	76.705	-.42	160	8.4100	.13	029	0.4051	.38
029	2.0750	-1.16				548	76.545	-.43	Avg	8.3336		512	0.3905	.28

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

## Laboratory Averages &amp; Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
-- Method 019.05 --			-- Method 022.03 --			-- Method 025.03 --			-- Method 027.05 --			-- Method 031.01 --		
164	0.3950	.18	548	4.6165	.41	300	58.075	-1.04	366	0.0200	1.43	650	0.3650	.96
Avg	0.3900		164	4.0000	.09	026	0.0055 s	-10.37	160	0.0185	.67	035	0.3550	.61
610	0.3850	-.17	Avg	4.3645					Avg	0.0172		098	0.3400	.06
026	0.3644	-.63	300	3.3850	-.26	-- Method 025.05 --			096	0.0160	-.63	Avg	0.3383	
300	0.3550	-1.06	185	2.0000	-.90	160	75.615	1.55	038	0.0160	-.81	038	0.3255	-.60
074	0.3550	-1.06	003	0.0000 S	-1.88	Avg	60.604		021	0.0157	-.97	018	0.3280	-1.31
229	0.3150	-1.86				096	58.500	-.22				139	0.3160	-1.46
			-- Method 022.05 --			366	56.500	-.45	-- Method 028.01 --					
-- Method 019.09 --			096	4.0000	1.46	021	51.800	-.92	035	7.0000	1.36	-- Method 031.02 --		
160	0.5086	1.73	021	3.5000	.54				038	6.0000	.36	505	0.3500	.83
096	0.3800	.24	160	3.5200	.36	-- Method 025.99 --			Avg	5.6375		Avg	0.3263	
Avg	0.3620		Avg	3.4340		121	63.560	.71	505	4.8500	-.79	014	0.3025	-.90
366	0.3100	-.62	038	3.1500	-.83				098	4.7000	-.94			
038	0.3140	-.68	366	3.0000	-1.12	-- Method 027.01 --			504	4.5000 R	-1.24	-- Method 031.03 --		
021	0.2975	-.78				035	0.0200	1.21				033	0.3485	.70
			-- Method 022.99 --			098	0.0200	1.21	-- Method 028.03 --			Avg	0.3413	
-- Method 019.99 --			121	3.4000	.71	139	0.0172	.27	003	8.5000 s	3.98	504	0.3340	-1.01
121	0.4060	.89				014	0.0175	.20	004	6.8600	2.01			
Avg	0.3750		-- Method 025.01 --			650	0.0172	.19	074	5.5000	.81	-- Method 031.05 --		
676	0.3440	-.85	505	240.00 S	15.01	Avg	0.0171		Avg	4.8818		003	0.4150	1.99
			035	72.000	.94	505	0.0165	-.33	029	4.8500	-.14	160	0.4053	1.56
-- Method 021.01 --			098	70.500	.83	504	0.0161	-.46	164	4.6500	-.24	553	0.3810	1.02
164	0.3000	.00	038	61.600	.08	038	0.0125	-2.03	610	4.3300	-.56	038	0.3600	.86
			Avg	60.720					185	4.5000	-.64	164	0.3450	.15
-- Method 021.02 --			670	59.000	-.22	-- Method 027.03 --			548	4.3795	-.68	Avg	0.3412	
038	0.4000	-.71	014	40.500	-1.69	029	171.40 s	9773.61	300	3.9850	-1.25	185	0.3374	-.17
			504	5.7500 S	-4.60	553	0.1775 S	46.82				548	0.3360	-.18
-- Method 022.01 --						026	0.1620 S	42.23	-- Method 028.05 --			096	0.3350	-.19
505	5.5000	1.48	-- Method 025.03 --			074	0.0200	.98	160	5.6330	1.20	029	0.3339	-.22
038	4.5000 R	.68	003	119.00 s	11.88	548	0.0197	.88	038	4.8500	.69	300	0.3160	-.66
Avg	4.0750		004	72.500	1.49	164	0.0170	.11	096	5.0000	.49	074	0.3050	-.89
035	4.0000	-.08	548	70.131	1.29	Avg	0.0166		Avg	4.5666		021	0.3220	-1.00
098	3.8000	-.28	553	69.750	1.09	300	0.0165	-.15	366	4.0000	-.63	229	0.3000	-1.00
504	3.0000	-1.11	512	64.635	.19	185	0.0166	-.16	021	3.3500	-1.39	366	0.2850	-1.38
			Avg	63.493		229	0.0125 R	-1.40						
-- Method 022.03 --			029	60.205	-.55	003	0.0100	-1.92	-- Method 028.99 --			-- Method 031.99 --		
004	6.6050	1.38	164	59.500	-.66				121	4.8350	.71	676	0.3350	.71
074	5.5000	.86	610	58.140	-.88									
029	4.4450	.52	074	58.500	-.91									

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



## Laboratory Averages &amp; Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
--	Method 032.01	--	--	Method 033.01	--	--	Method 035.03	--	--	Method 037.03	--	--	Method 108.02	--
505	0.2450	1.20	021	0.6150	.48	164	0.2300	-.31	300	34.800	-.89	676	0.2630	.71
650	0.2400	.82	098	0.6100	.00	548	0.2243	-.86	164	27.500	-2.22			
035	0.2350	.59	Avg	0.6100		185	0.1998	-2.38	026	0.0034 s	-9.13	--	Method 109.02	--
139	0.2345	.46	004	0.6000	-.68	366	0.1850 S	-3.40				676	36.170	.86
098	0.2300	.15	096	0.5950	-1.08				--	Method 037.05	--	Avg	29.835	
Avg	0.2278		164	0.5950	-1.08	--	Method 035.05	--	038	44.350	1.29	610	23.500	-.87
038	0.2275	-.10				504	0.2323	.71	160	43.040	.93			
670	0.2050	-1.55	--	Method 033.03	--				Avg	36.508		--	Method 109.99	--
646	0.2050	-1.55	505	0.5500 S	.00	--	Method 035.99	--	096	35.500	-.16	096	23.500	.71
						003	0.2750	.71	366	30.500	-.92			
--	Method 032.02	--	--	Method 034.01	--	--	Method 036.03	--	021	29.150	-1.04	--	Method 120.00	--
014	0.2505	.88	038	0.3355	.71	160	0.1372	1.33	--	Method 037.99	--	160	0.8060	1.20
Avg	0.2224					021	0.1320 R	.99	121	38.865	.71	Avg	0.7388	
504	0.1944	-.85	--	Method 034.04	--	038	0.1260	.43				676	0.7255	-.25
			164	0.3500	.00	Avg	0.1208		--	Method 038.99	--	504	0.6850	-1.00
--	Method 032.05	--	--	Method 034.99	--	366	0.1100	-.88	164	0.3000	.00	--	Method 121.00	--
003	0.2600 s	2.29	096	0.4000	.87	300	0.1100	-.88				160	0.6394	1.16
121	0.2550	1.50	Avg	0.3225					--	Method 039.01	--	Avg	0.6040	
160	0.2491	1.11	098	0.2450	-.87	--	Method 037.01	--	164	0.4000	.00	504	0.6000	-.35
096	0.2450	.88				038	48.400 s	3.40				676	0.5725	-1.02
021	0.2425	.64	--	Method 035.00	--	014	42.500	1.78	--	Method 104.00	--			
038	0.2420	.62	670	0.2500	1.34	098	36.350	.07	096	3.8300	.71	--	Method 122.00	--
164	0.2400	.46	038	0.2400	.54	Avg	36.070					504	0.9000	1.21
548	0.2345	.41	650	0.2400	.40	504	35.000	-.36	--	Method 105.00	--	160	0.8788	.16
553	0.2365	.33	Avg	0.2345		035	34.500	-.40	160	7.1250	.71	Avg	0.8779	
610	0.2365	.25	035	0.2250	-.78	505	32.000	-1.02				676	0.8550	-1.00
029	0.2354	.17	139	0.2175	-1.28				--	Method 105.01	--			
Avg	0.2332					--	Method 037.03	--	096	10.115	.71	--	Method 124.00	--
512	0.2330	-.04	--	Method 035.03	--	004	89.000 s	13.31				160	0.1380	.85
026	0.2291	-.35	096	0.2500	1.25	003	71.000 s	9.95	--	Method 106.02	--	Avg	0.1215	
229	0.2250	-.66	160	0.2473	.90	553	39.700	.92	003	3762.0 s	2313.83	504	0.1050	-.88
300	0.2170	-1.12	021	0.2470	.85	512	39.330	.85	670	7.0450	1.80			
366	0.2150	-1.29	038	0.2445	.77	074	39.000	.84	676	4.1900	.05	--	Method 124.02	--
185	0.1963	-2.53	553	0.2350	.41	029	37.895	.40	Avg	4.1270		676	0.0900	.00
			229	0.2350	.34	185	37.000	.31	004	3.5700	-.34			
--	Method 033.01	--	Avg	0.2346		548	37.067	.20	160	2.9950	-.71			
185	0.6457 s	3.12	029	0.2338	-.12	Avg	36.305		096	2.8350	-.80			
650	0.6350	1.74	300	0.2340	-.14	610	34.450	-.47						
229	0.6200	.68												

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

## Laboratory Averages &amp; Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
--	Method 125.00	--	--	Method 131.02	--	--	Method 138.00	--						
504	1.3150	.95	676	0.1820	.71	504	0.5650	1.10						
160	1.2798	.34				160	0.5165	.07						
Avg	1.2574		--	Method 132.00	--	Avg	0.5145							
676	1.1775	-1.22	160	0.5166	1.08	676	0.4620	-1.14						
			504	0.4600	.19									
--	Method 126.00	--	Avg	0.4574		--	Method 139.00	--						
504	1.3250	1.24	676	0.3955	-1.14	160	0.0709	.98						
Avg	1.2837					504	0.0700	.67						
676	1.2705	-.39	--	Method 133.00	--	Avg	0.0681							
160	1.2555	-.89	160	0.6308	1.01	676	0.0670	-.51						
			504	0.6050	.58	038	0.0645	-1.35						
			Avg	0.6049										
--	Method 127.00	--	676	0.5790	-1.07	--	Method 139.05	--						
676	0.3270	1.28				027	0.0720 S	.00						
Avg	0.2791		--	Method 134.00	--									
160	0.2552	-.65	160	0.4448	.92	--	Method 210.01	--						
504	0.2550	-.66	Avg	0.4244		038	1.2700	.87						
			676	0.4135	-.50	Avg	0.9823							
--	Method 128.00	--	504	0.4150	-1.18	676	0.6945	-.87						
504	0.4150	1.07												
160	0.3746	.12	--	Method 135.00	--									
Avg	0.3707		160	0.4706	1.08									
676	0.3225	-1.16	Avg	0.4319										
			504	0.4300	-.55									
--	Method 129.00	--	676	0.3950	-1.02									
504	0.8400	1.27	--	Method 136.01	--									
Avg	0.7888		160	0.1736	.71									
160	0.7703	-.48												
676	0.7560	-.81	--	Method 136.99	--									
			504	0.0950	.71									
--	Method 130.00	--				--	Method 137.00	--						
160	0.7126	1.07	160	0.3786	1.19	160	0.3786	1.19						
504	0.6600	.20	Avg	0.3377		Avg	0.3377							
Avg	0.6560		504	0.3300	-.37									
676	0.5955	-1.15	676	0.3045	-.97									
--	Method 131.00	--												
160	0.1966	.55												
Avg	0.1958													
504	0.1950	-1.09												

\* 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
001.00	4	0.0000	1.07	0.15	027.05	5	0.0000	0.99	0.35
001.07	9	0.2209	1.17	0.33	028.01	5	-0.2275	1.06	0.23
001.08	4	0.0000	1.08	0.06	028.03	9	0.4085	1.50	0.65
001.99	6	-0.0469	0.95	0.24	028.05	5	0.0000	1.00	0.31
002.00	2	0.0000	1.18	0.22	031.01	6	0.0000	0.66	0.74
002.06	47	0.2879	1.47	0.34	031.02	2	0.0000	1.08	0.40
002.08	2	0.0000	1.18	0.24	031.03	2	0.0000	0.98	0.52
003.00	9	0.0000	0.98	0.30	031.05	14	0.0000	0.93	0.41
003.06	6	0.0000	1.03	0.20	032.01	8	0.0000	1.00	0.24
003.09	5	-4.7526	10.65	0.52	032.02	2	0.0000	1.20	0.16
003.14	2	0.0000	0.61	0.75	032.05	17	0.1078	1.06	0.39
003.99	8	-2.4557	5.28	0.74	033.01	8	0.3042	1.27	0.73
004.06	4	5.8906	11.79	0.84	034.99	2	0.0000	1.22	0.04
004.07	9	0.0000	0.98	0.29	035.00	5	0.0000	0.95	0.42
005.00	41	2.0533	13.56	0.94	035.03	12	-0.2816	1.34	0.34
005.03	2	0.0000	1.03	0.47	036.03	5	0.1817	1.02	0.19
005.99	4	0.0000	1.04	0.26	037.01	6	0.4997	1.49	0.76
008.08	4	0.0000	1.07	0.15	037.03	12	1.0704	5.46	1.46
009.09	3	0.0000	1.12	0.06	037.05	5	0.0000	0.99	0.34
010.03	5	0.0000	1.06	0.06	106.02	6	385.6340	944.61	4.53
010.99	5	0.0000	1.01	0.29	109.02	2	0.0000	1.21	0.12
011.01	20	-0.0038	0.96	0.28	120.00	3	0.0000	1.10	0.17
011.99	2	0.0000	1.20	0.18	121.00	3	0.0000	1.09	0.20
013.02	17	-0.6473	1.89	0.37	122.00	3	0.0000	0.92	0.52
013.10	7	0.0000	1.03	0.11	124.00	2	0.0000	1.20	0.18
013.11	2	0.0000	1.15	0.30	125.00	3	0.0000	1.08	0.24
013.13	2	0.0000	1.09	0.39	126.00	3	0.0000	1.03	0.35
019.01	11	0.4005	1.62	0.31	127.00	3	0.0000	1.11	0.10
019.05	13	0.2667	1.33	0.35	128.00	3	0.0000	1.11	0.08
019.09	5	0.0000	1.03	0.21	129.00	3	0.0000	1.09	0.20
019.99	2	0.0000	1.19	0.20	130.00	3	0.0000	1.11	0.13
022.01	5	0.0878	0.95	0.24	131.00	2	0.0000	0.24	0.85
022.03	8	0.0000	1.01	0.19	132.00	3	0.0000	1.11	0.12
022.05	5	0.0000	1.00	0.32	133.00	3	0.0000	1.00	0.40
025.01	7	1.4866	6.26	0.10	134.00	3	0.0000	0.78	0.65
025.03	11	-0.1185	4.44	2.34	135.00	3	0.0000	1.04	0.34
025.05	4	0.0000	1.07	0.13	137.00	3	0.0000	1.10	0.17
027.01	8	0.0000	0.99	0.27	138.00	3	0.0000	1.11	0.07
027.03	10	4986.128	15736.70	27.57	139.00	4	0.0000	1.01	0.33