Feed Check Sample No. - 200997 Meat and Bone Meal (Pork)
Association of American Feed Control Officials

Method	AOAC 18th	Method Code	- Pass 1 Results for 193 Labs - No. of Labs	Grand Avg.	Std. Dev.	Average Range of Dups	- Pass 2 Results for 192 Labs - No. of Labs	Grand Avg.	Std. Dev.	Average Range of Dups
NPN, Automated		000.03	1	5.47500	0.02121	0.03000	1	5.47500	0.02121	0.03000
Urea, Misc		000.99	1	0.77070	0.01669	0.02360	1	0.77070	0.01669	0.02360
Method Group 000.XX PCT			2	3.12285	2.71607	0.02680	2	3.12285	2.71607	0.02680
Loss on Drying, Vac 95 deg 5 hr	934.01	001.00	7	4.47000	0.44480	0.15429	6	4.41250	0.43516	0.07167
Loss on Drying, ISO 6496		001.03	6	3.99958	0.56831	0.04717	6	3.99958	0.56831	0.04717
Loss on Drying, LECO		001.05	1	4.14000	0.00000	0.00000	1	4.14000	0.00000	0.00000
Loss on Drying, 104 deg 3 hr, in malt	935.29	001.07	33	4.02263	0.40238	0.11222	31	4.02829	0.40702	0.08591
Loss on Drying, 102 deg 16 hr, in meat	950.46	001.08	1	3.85000	0.07071	0.10000	1	3.85000	0.07071	0.10000
Loss on Drying, Misc		001.99	17	4.04547	0.32521	0.10743	16	4.07987	0.29804	0.08727
Method Group 001.XX PCT			65	4.07381	0.41964	0.10758	61	4.07570	0.40839	0.07988
Protein, Crude	954.01	002.00	6	51.6025	1.15227	0.33167	5	51.6090	1.24711	0.17800
Protein, Auto Kjel-Foss	976.05	002.01	10	51.2881	0.26014	0.18960	9	51.2518	0.21242	0.12733
Protein, Semiauto Autoanalyzer	976.06	002.02	8	52.4270	1.23446	0.73275	7	52.4673	1.22399	0.47600
Protein, Hach Method		002.03	1	50.7750	0.78489	1.11000	1	50.7750	0.78489	1.11000
Protein, Copper Cat	984.13	002.04	5	51.5270	1.31896	0.34200	5	51.5270	1.31896	0.34200
Protein, Copper, Boric Acid		002.05	15	51.5693	0.98437	0.23159	14	51.5206	0.99447	0.18384
Protein, Combustion Nitrogen Analyzer	990.03	002.06	121	52.0994	0.84461	0.46491	116	52.0968	0.78761	0.38280
Protein, Cu/Ti	988.05	002.08	4	51.3671	1.11537	0.11875	4	51.3671	1.11537	0.11875
Protein, Block dig/distillation		002.10	13	51.5115	0.94708	0.28269	12	51.4550	0.94883	0.20625
Protein, NIR		002.11	8	52.4888	0.90339	0.23500	8	52.4888	0.90339	0.23500
Protein, Misc		002.99	3	52.0893	0.32753	0.15867	3	52.0893	0.32753	0.15867
Method Group 002.XX PCT			194	51.9545	0.93673	0.40620	184	51.9490	0.91082	0.32865
Fat, Eth Ext, Direct	920.39	003.00	22	11.9491	0.65266	0.09319	19	11.9636	0.64431	0.05211
Fat, Ind Eth Ext (13th ed), Indirect	920.39	003.01	1	11.5850	0.61518	0.87000	1	11.5850	0.61518	0.87000
Fat, In Fish Meal	948.04	003.04	1	12.0700	0.77782	1.10000	1	12.0700	0.77782	1.10000
Fat, Pet Ether		003.06	24	11.9960	0.74436	0.16375	22	11.9150	0.71269	0.11727
Fat, Soxtec, Eth Ext		003.09	24	12.0344	0.49191	0.13858	22	11.9970	0.48348	0.09936
Fat, Soxtec, Pet Ether		003.10	25	11.9883	0.40635	0.22432	23	11.9985	0.34744	0.11630
Fat, NIR		003.11	10	12.3124	0.90302	0.21240	8	12.1256	0.88467	0.02375
Fat, Hexane Ext.		003.12	4	12.5575	0.41606	0.18000	4	12.5575	0.41606	0.18000
Fat, Soxtec, Hexane Ext.		003.13	6	11.7493	0.31008	0.14767	6	11.7493	0.31008	0.14767
Fat, Ankom		003.14	17	11.8447	0.41090	0.26118	17	11.8447	0.41090	0.26118
Fat, Misc		003.99	9	11.6711	0.76607	0.48689	8	11.7025	0.71301	0.28500
Method Group 003.XX PCT			143	11.9806	0.61130	0.20585	131	11.9520	0.57643	0.14441
Fiber, Crude Asbestos Free	962.09	004.00	27	1.25521	0.59941	0.08667	24	1.14774	0.50386	0.05542
Fiber, Sing Filt		004.01	2	1.65500	0.75673	0.23000	2	1.65500	0.75673	0.23000
Fiber, Fritted Glass	978.10	004.03	2	1.23075	0.30892	0.07850	2	1.23075	0.30892	0.07850
Fiber, Fibertec		004.06	24	1.20858	0.27719	0.11367	22	1.20459	0.26771	0.07810
Fiber, ANKOM		004.07	36	1.54282	0.76033	0.12703	36	1.55851	0.79670	0.10953

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Fiber, NIR		004.11	8	1.56681	0.91201	0.26539	8	1.56681	0.91201	0.26539
Fiber, Misc		004.99	3	1.38167	0.79189	0.37667	3	1.38167	0.79189	0.37667
Method Group 004.XX PCT			102	1.38127	0.65249	0.13246	96	1.34275	0.62182	0.11314
Ash,	942.05	005.00	116	26.5944	0.64367	0.29854	108	26.6210	0.60931	0.20484
Ash, LECO		005.02	1	26.6000	0.00000	0.00000	1	26.6000	0.00000	0.00000
Ash, NIR		005.11	3	25.3967	1.46234	0.30667	3	25.3967	1.46234	0.30667
Ash, Misc		005.99	13	26.9788	0.64026	0.36092	12	26.8354	0.40288	0.35433
Method Group 005.XX PCT			133	26.6050	0.69789	0.30257	124	26.6120	0.64989	0.22012
Fiber, Acid Detergent	973.18	008.02	8	2.42063	0.99055	0.25375	8	2.42063	0.99055	0.25375
Fiber, Acid Detergent-Hach		008.05	1	4.48600	0.22345	0.31600	1	4.48600	0.22345	0.31600
Fiber, Acid Detergent by ANKOM		008.08	16	2.95844	0.54006	0.19563	15	2.90733	0.50878	0.15867
Fiber, Acid Detergent Misc		008.99	1	1.38000	0.08485	0.12000	1	1.38000	0.08485	0.12000
Method Group 008.XX PCT			26	2.79100	0.84756	0.21523	25	2.75364	0.83959	0.19384
Fiber, Neutral Det-No ENZ Pretreat		009.04	1	34.6500	2.03647	2.88000	1	34.6500	2.03647	2.88000
Fiber, Neutral Det-ENZ Pretreat		009.07	5	28.3140	10.4983	1.95600	5	28.3140	10.4983	1.95600
Fiber, Neutral Detergent by ANKOM		009.09	10	29.0875	5.56691	0.79100	10	29.0875	5.56691	0.79100
Fiber, Neutral Det Misc		009.99	1	25.1000	1.00409	1.42000	1	25.1000	1.00409	1.42000
Method Group 009.XX PCT			17	28.9526	7.14556	1.29353	17	28.9526	7.14556	1.29353
Moisture, Karl-Fischer	966.20	010.03	4	3.54071	1.30073	0.39857	5	3.15457	1.40676	0.33486
Moisture, NIR		010.11	8	4.52945	0.25050	0.18420	8	4.52945	0.25050	0.18420
Moisture, Misc		010.99	16	4.06366	0.54719	0.12694	16	4.06366	0.54719	0.12694
Method Group 010.XX PCT			28	4.12203	0.70755	0.18210	28	4.12203	0.70755	0.18210
Loss on Drying, 135 deg 2 hr	930.15	011.01	72	4.64397	0.35820	0.09784	68	4.65501	0.33601	0.07844
Method Group 011.XX PCT			72	4.64397	0.35820	0.09784	68	4.65501	0.33601	0.07844
Starch, Polarimetric (Ewers)		012.00	1	0.50000	0.00000	0.00000	1	0.50000	0.00000	0.00000
Starch, Enzymatic		012.03	1	1.03500	0.10607	0.15000	1	1.03500	0.10607	0.15000
Starch, YSI Analyzer		012.04	4	1.45625	0.77351	0.06250	4	1.45625	0.77351	0.06250
Method Group 012.XX PCT			6	1.22667	0.72304	0.06667	6	1.22667	0.72304	0.06667
Fat, Mojonnier, Bak Ext	954.02	013.02	31	13.5585	0.58459	0.15581	30	13.5617	0.59167	0.14133
Fat, Roese-Gottlieb	932.02	013.03	1	13.9400	0.12728	0.18000	1	13.9400	0.12728	0.18000
Fat, Roese-Gottlieb Modified		013.08	1	12.2900	0.26870	0.38000	1	12.2900	0.26870	0.38000
Fat, Soxtec-Acid Hydrolysis		013.10	13	13.0056	0.90471	0.31615	12	13.1019	0.84555	0.21750
Fat, Super Critical Fluid Extraction		013.11	1	13.3900	0.41012	0.58000	1	13.3900	0.41012	0.58000
Fat, Ankon-Acid Hydrolysis		013.13	3	13.5067	0.95005	0.88000	3	13.5067	0.95005	0.88000
Fat, Pretreat or extended ext, misc		013.99	4	13.0779	1.37598	0.18925	4	13.0779	1.37598	0.18925
Method Group 013.XX PCT			54	13.3674	0.80166	0.24957	52	13.3947	0.78062	0.21898
Aluminum, ICP		015.00	7	59.3193	33.6766	4.51000	7	59.3193	33.6766	4.51000
Method Group 015.XX PPM			7	59.3193	33.6766	4.51000	7	59.3193	33.6766	4.51000
Arsenic, ICP		016.02	1	1.64000	0.67882	0.96000	1	1.64000	0.67882	0.96000

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Boron, ICP		017.00	4	2.45375	1.16436	0.52750	4	2.45375	1.16436	0.52750
Boron, Misc		017.99	1	4.95000	0.07071	0.10000	1	4.95000	0.07071	0.10000
Method Group 017.XX PPM			5	2.95300	1.47065	0.44200	5	2.95300	1.47065	0.44200
Calcium, Ox-Mn04 Vol	927.02	019.00	9	9.32064	0.65588	0.07301	9	9.32064	0.65588	0.07301
Calcium, At Abs Spect	968.08	019.01	39	8.97568	0.43415	0.17055	38	8.95175	0.40975	0.15741
Calcium, Hach Method		019.02	1	10.3300	0.11314	0.16000	1	10.3300	0.11314	0.16000
Calcium, Semiauto (Autoanalyzer)		019.03	6	9.11500	0.63455	0.19233	5	9.11400	0.67437	0.06680
Calcium, ICP, Dry Ash		019.05	38	9.10661	0.49037	0.17344	35	9.07518	0.48237	0.12716
Calcium, EDTA		019.08	7	8.94714	0.41338	0.15143	7	8.94714	0.41338	0.15143
Calcium, ICP, Wet Ash		019.09	27	9.26115	0.66307	0.25156	26	9.25023	0.65239	0.19623
Calcium, Misc		019.99	7	8.79907	0.78406	0.21643	7	8.79907	0.78406	0.21643
Method Group 019.XX PCT			134	9.09913	0.56730	0.18344	128	9.08057	0.56107	0.15047
Chromium, AA		020.00	1	4.00000	0.05657	0.08000	1	4.00000	0.05657	0.08000
Chromium, ICP		020.01	4	2.60875	1.07341	0.91250	4	2.60875	1.07341	0.91250
Chromium, Misc		020.99	1	0.00000	0.00000	0.00000	1	0.00000	0.00000	0.00000
Method Group 020.XX PPM			6	2.40583	1.50927	0.62167	6	2.40583	1.50927	0.62167
Cobalt, AA	968.08	021.01	2	1.75600	1.79676	0.01500	2	1.75600	1.79676	0.01500
Cobalt, ICP		021.02	5	0.78800	0.96247	0.30000	4	0.73500	1.01334	0.01500
Method Group 021.XX PPM			7	1.06457	1.26185	0.21857	6	1.07533	1.33665	0.01500
Copper, AA	968.08	022.01	4	16.4913	1.55055	0.40750	4	16.4913	1.55055	0.40750
Copper, ICP, Dry Ash	968.08	022.03	23	15.5764	2.82296	0.65348	22	15.5946	2.87317	0.56636
Copper, ICP, Wet Ash	968.08	022.05	20	16.6128	1.77330	0.85750	20	16.6128	1.77330	0.85750
Copper, Misc		022.99	3	14.6567	0.78744	0.18000	3	14.6567	0.78744	0.18000
Method Group 022.XX PPM			50	16.0089	2.32944	0.68700	49	16.0260	2.34296	0.64857
Iron, AA	968.08	025.01	7	286.771	35.1375	4.99286	7	286.771	35.1375	4.99286
Iron, ICP, Dry Ash	968.08	025.03	24	295.570	32.7296	14.7836	23	295.623	32.0962	11.5438
Iron, ICP, Wet Ash	968.08	025.05	18	290.459	32.2515	13.0361	18	290.459	32.2515	13.0361
Iron, Misc		025.99	1	286.500	14.8492	21.0000	1	286.500	14.8492	21.0000
Method Group 025.XX PPM			50	292.316	32.4356	12.9081	49	292.275	32.1336	11.3491
Lead,		026.00	1	0.25000	0.07071	0.10000	1	0.25000	0.07071	0.10000
Magnesium, AA	968.08	027.01	8	0.23829	0.02501	0.00984	7	0.23948	0.02545	0.00553
Magnesium, ICP, Dry Ash	968.08	027.03	25	0.24351	0.01617	0.00828	24	0.24345	0.01622	0.00737
Magnesium, ICP, Wet Ash	968.08	027.05	15	0.24033	0.01986	0.00626	14	0.24096	0.02023	0.00521
Magnesium, Misc.		027.99	2	0.24000	0.01826	0.01000	2	0.24000	0.01826	0.01000
Method Group 027.XX PCT			50	0.24158	0.01882	0.00799	47	0.24197	0.01886	0.00656
Manganese, AA	968.08	028.01	6	19.3592	3.28852	0.30167	5	18.5310	2.93080	0.16200
Manganese, ICP, Dry Ash	968.08	028.03	22	19.3338	3.30723	0.79595	21	19.2482	3.31310	0.58624
Manganese, ICP, Wet Ash	968.08	028.05	18	20.2344	2.71789	1.11889	17	20.1200	2.69855	0.91882
Manganese, Misc.		028.99	2	18.3250	1.07510	0.85000	2	18.3250	1.07510	0.85000

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Method Group 028.XX PPM			48	19.6327	3.03661	0.85752	45	19.4568	3.00113	0.67647
Mercury,		029.00	1	0.03600	0.01131	0.01600	1	0.03600	0.01131	0.01600
Phosphorus, Photometric	965.17	031.01	46	4.47518	0.24365	0.08149	43	4.45798	0.23636	0.06322
Phosphorus, GQMP (2.028)	964.06	031.02	4	4.63079	0.13030	0.07757	4	4.63079	0.13030	0.07757
Phosphorus, Autoanalyzer		031.03	5	4.58250	0.17664	0.20340	5	4.58250	0.17664	0.20340
Phosphorus, ICP		031.05	63	4.54784	0.30611	0.09617	61	4.54877	0.30441	0.08775
Phosphorus, Hach Method		031.06	2	3.91750	0.16520	0.02500	2	3.91750	0.16520	0.02500
Phosphorus, Misc		031.99	7	4.60679	0.26419	0.17729	7	4.60679	0.26419	0.17729
Method Group 031.XX PCT			127	4.51882	0.28452	0.09784	122	4.51382	0.28304	0.08762
Potassium, AA	975.03	032.01	12	0.51667	0.03639	0.01437	12	0.51667	0.03639	0.01437
Potassium, Flame Emission	956.01	032.02	3	0.51333	0.05574	0.02667	3	0.51333	0.05574	0.02667
Potassium, ICP		032.05	39	0.54126	0.04290	0.01890	36	0.54111	0.04184	0.01396
Potassium, Misc		032.99	2	0.54500	0.01915	0.01000	2	0.54500	0.01915	0.01000
Method Group 032.XX PCT			56	0.53462	0.04278	0.01803	53	0.53415	0.04200	0.01462
Salt, Sol Cl	943.01	033.00	8	0.76581	0.08099	0.02821	7	0.75306	0.07429	0.01367
Salt, Poten Cl	969.10	033.01	22	0.76027	0.04513	0.01382	21	0.75957	0.04544	0.01114
Salt, Quantab		033.03	2	0.83250	0.05909	0.05500	2	0.83250	0.05909	0.05500
Salt, Misc		033.99	8	0.73337	0.12284	0.05450	8	0.73337	0.12284	0.05450
Method Group 033.XX PCT			40	0.75961	0.07595	0.02689	38	0.75670	0.07532	0.02304
Selenium, Fluor	969.06	034.01	2	0.71100	0.08401	0.10800	2	0.71100	0.08401	0.10800
Selenium, AA, Hydride		034.04	1	0.77000	0.01414	0.02000	1	0.77000	0.01414	0.02000
Selenium, ICP		034.05	1	0.85900	0.02687	0.03800	1	0.85900	0.02687	0.03800
Method Group 034.XX PPM			4	0.76275	0.08572	0.06850	4	0.76275	0.08572	0.06850
Sodium, AA		035.00	13	0.63556	0.05907	0.01538	13	0.63556	0.05907	0.01538
Sodium, Ion Sel Electrode		035.01	2	0.63980	0.00682	0.00470	2	0.63980	0.00682	0.00470
Sodium, ICP		035.03	39	0.64552	0.05206	0.01617	38	0.64304	0.05014	0.01498
Sodium, Flame Emission	956.01	035.05	6	0.63833	0.03216	0.02400	6	0.63833	0.03216	0.02400
Sodium, Misc		035.99	2	0.65750	0.00957	0.00500	2	0.65750	0.00957	0.00500
Method Group 035.XX PCT			62	0.64294	0.05026	0.01603	61	0.64135	0.04894	0.01529
Sulfur, (Gravimetric)		036.00	1	0.42000	0.09899	0.14000	1	0.42000	0.09899	0.14000
Sulfur, ICP		036.03	20	0.40897	0.07192	0.00890	19	0.41015	0.07349	0.00721
Sulfur, LECO		036.04	1	0.38500	0.00707	0.01000	1	0.38500	0.00707	0.01000
Method Group 036.XX PCT			22	0.40838	0.07038	0.01491	21	0.40942	0.07176	0.01366
Zinc, AA	968.08	037.01	6	144.233	10.2078	3.92000	5	144.180	10.7161	1.70400
Zinc, ICP, Dry Ash	968.08	037.03	22	142.160	10.5156	4.28918	21	140.691	8.20466	4.39819
Zinc, ICP, Wet Ash	968.08	037.05	19	143.745	16.6611	3.48316	18	141.770	14.6725	3.03222
Zinc, Misc		037.99	3	138.478	19.8146	2.39667	3	138.478	19.8146	2.39667
Method Group 037.XX PPM			50	142.790	13.6047	3.82504	47	141.334	12.0240	3.46068
Molybdenum, ICP		038.00	3	0.50317	0.26486	0.05233	3	0.50317	0.26486	0.05233

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Method Group 038.XX PPM			3	0.50317	0.26486	0.05233	3	0.50317	0.26486	0.05233
Nickel, ICP		039.02	3	1.91500	0.42345	0.34333	3	1.91500	0.42345	0.34333
Method Group 039.XX PPM			3	1.91500	0.42345	0.34333	3	1.91500	0.42345	0.34333
Barium, ICP		040.00	1	4.24000	0.15556	0.22000	1	4.24000	0.15556	0.22000
Thiamine, HPLC		105.00	1	1.81500	0.95459	1.35000	1	1.81500	0.95459	1.35000
Vitamin A, HPLC		106.02	4	55.3625	102.259	3.97500	3	0.18333	0.21370	0.03333
Method Group 106.XX KU/LB			4	55.3625	102.259	3.97500	3	0.18333	0.21370	0.03333
Vitamin E, HPLC		109.02	2	547.500	159.375	4.00000	2	547.500	159.375	4.00000
Method Group 109.XX MG/KG			2	547.500	159.375	4.00000	2	547.500	159.375	4.00000
Alanine, Post-col Ninhydrin Der	994.12	120.00	10	3.70991	0.16333	0.07811	9	3.73201	0.14878	0.05434
Alanine, Pre-col AQC Der		120.05	1	3.84000	0.18385	0.26000	1	3.84000	0.18385	0.26000
Method Group 120.XX PCT			11	3.72173	0.16495	0.09465	10	3.74281	0.15063	0.07491
Arginine, Post-col Ninhydrin Der	994.12	121.00	9	3.48761	0.22831	0.06700	9	3.48761	0.22831	0.06700
Arginine, Pre-col AQC Der		121.05	2	4.06250	0.42264	0.51500	2	4.06250	0.42264	0.51500
Method Group 121.XX PCT			11	3.59214	0.34528	0.14845	11	3.59214	0.34528	0.14845
Aspartic, Post-col Ninhydrin Der	994.12	122.00	10	3.81202	0.26919	0.05664	10	3.81202	0.26919	0.05664
Aspartic, Pre-col AQC Der		122.05	1	4.18500	0.64347	0.91000	1	4.18500	0.64347	0.91000
Method Group 122.XX PCT			11	3.84593	0.31197	0.13422	11	3.84593	0.31197	0.13422
Glutamic Acid,		123.00	1	7.73000	0.14142	0.20000	1	7.73000	0.14142	0.20000
Cysteine/Cystine, PAO Post-col Ninhydri	994.12	124.00	9	0.39111	0.08185	0.01343	9	0.39111	0.08185	0.01343
Cysteine/Cystine, Misc		124.99	1	0.35500	0.09192	0.13000	1	0.35500	0.09192	0.13000
Method Group 124.XX PCT			10	0.38750	0.08101	0.02509	10	0.38750	0.08101	0.02509
Glutamic, Post-col Ninhydrin Der	994.12	125.00	9	6.28696	0.38717	0.09306	9	6.28696	0.38717	0.09306
Glutamic, Pre-col AQC Der		125.05	2	6.78500	0.69940	1.19000	2	6.78500	0.69940	1.19000
Method Group 125.XX PCT			11	6.37751	0.47946	0.29250	11	6.37751	0.47946	0.29250
Glycine, Post-col Ninhydrin Der	994.12	126.00	10	6.73865	0.38357	0.13848	9	6.73422	0.39625	0.09887
Glycine, Pre-col AQC Der		126.05	2	6.86000	0.95251	0.69000	2	6.86000	0.95251	0.69000
Method Group 126.XX PCT			12	6.75888	0.49194	0.23040	11	6.75709	0.50910	0.20635
Histidine, Post-col Ninhydrin Der	994.12	127.00	9	1.02644	0.05603	0.04073	9	1.02644	0.05603	0.04073
Histidine, Pre-col AQC Der		127.05	2	1.18250	0.11026	0.17500	2	1.18250	0.11026	0.17500
Method Group 127.XX PCT			11	1.05482	0.08985	0.06515	11	1.05482	0.08985	0.06515
Isoleucine, Post-col Ninhydrin Der	994.12	128.00	9	1.38336	0.06976	0.01783	9	1.38336	0.06976	0.01783
Isoleucine, Pre-col AQC Der		128.05	2	1.49250	0.12312	0.08500	2	1.49250	0.12312	0.08500
Method Group 128.XX PCT			11	1.40320	0.08922	0.03005	11	1.40320	0.08922	0.03005
Leucine, Post-col Ninhydrin Der	994.12	129.00	10	3.00544	0.18732	0.04750	10	3.00544	0.18732	0.04750
Leucine, Pre-col AQC Der		129.05	2	3.12000	0.28787	0.19000	2	3.12000	0.28787	0.19000
Method Group 129.XX PCT			12	3.02453	0.20420	0.07125	12	3.02453	0.20420	0.07125
L-Lysine, Post-col Ninhydrin Der	994.12	130.00	10	2.61146	0.15186	0.03995	9	2.58495	0.13260	0.02661
Method Group 130.XX PCT			10	2.61146	0.15186	0.03995	9	2.58495	0.13260	0.02661

Method	AOAC 18th	Method Code	- Pass 1 Results for 193 Labs - No. of Labs	Grand Avg.	Std. Dev.	Average Range of Dups	- Pass 2 Results for 192 Labs - No. of Labs	Grand Avg.	Std. Dev.	Average Range of Dups
Methionine, PAO Post-col Ninhydrin Der	994.12	131.00	9	0.64371	0.13581	0.01863	8	0.63017	0.13790	0.01321
Methionine, PAO Pre-col AQC Der		131.05	1	1.01500	0.03536	0.05000	1	1.01500	0.03536	0.05000
Methionine, Misc		131.99	1	1.07000	0.11314	0.16000	1	1.07000	0.11314	0.16000
Method Group 131.XX PCT			11	0.71621	0.20132	0.03434	10	0.71264	0.21106	0.03157
Phenylalanine, Post-col Ninhydrin Der .	994.12	132.00	10	1.61649	0.28050	0.02432	10	1.61649	0.28050	0.02432
Phenylalanine, Pre-col AQC Der		132.05	2	1.74500	0.29400	0.27000	2	1.74500	0.29400	0.27000
Method Group 132.XX PCT			12	1.63791	0.28047	0.06527	12	1.63791	0.28047	0.06527
Proline, Post-col Ninhydrin Der	994.12	133.00	8	4.41381	0.41336	0.15590	7	4.30721	0.29671	0.10103
Proline, Pre-col AQC Der		133.05	2	4.21250	0.38361	0.13500	2	4.21250	0.38361	0.13500
Method Group 133.XX PCT			10	4.37355	0.40615	0.15172	9	4.28617	0.30811	0.10858
Serine, Post-col Ninhydrin Der	994.12	134.00	10	1.92272	0.11015	0.03287	10	1.92272	0.11015	0.03287
Serine, Pre-col AQC Der		134.05	1	2.03000	0.19799	0.28000	1	2.03000	0.19799	0.28000
Method Group 134.XX PCT			11	1.93247	0.11765	0.05534	11	1.93247	0.11765	0.05534
Threonine, Post-col Ninhydrin Der	994.12	135.00	9	1.64931	0.05594	0.01693	8	1.65923	0.04983	0.01155
Threonine, Pre-col AQC Der		135.05	1	1.63000	0.18385	0.26000	1	1.63000	0.18385	0.26000
Method Group 135.XX PCT			10	1.64738	0.06793	0.04124	9	1.65598	0.06534	0.03916
Tryptophan, Alka-Hydrol Post-col Ninhyd	988.15	136.00	1	0.31400	0.03818	0.05400	1	0.31400	0.03818	0.05400
Tryptophan, Alka-Hydrol Rev Phase LC UV		136.01	3	0.31202	0.03267	0.00830	3	0.31202	0.03267	0.00830
Tryptophan, Misc		136.99	2	0.32250	0.01234	0.01400	2	0.32250	0.01234	0.01400
Method Group 136.XX PCT			6	0.31584	0.02615	0.01782	6	0.31584	0.02615	0.01782
Tyrosine, Post-col Ninhydrin Der	994.12	137.00	6	1.15348	0.08207	0.01667	6	1.15348	0.08207	0.01667
Tyrosine, Pre-col AQC Der		137.05	1	1.10500	0.21920	0.31000	1	1.10500	0.21920	0.31000
Method Group 137.XX PCT			7	1.14656	0.09852	0.05857	7	1.14656	0.09852	0.05857
Valine, Post-col Ninhydrin Der	994.12	138.00	10	1.98813	0.21301	0.03743	9	1.97964	0.22233	0.02681
Valine, Pre-col AQC Der		138.05	2	2.18250	0.20156	0.12500	2	2.18250	0.20156	0.12500
Method Group 138.XX PCT			12	2.02052	0.21968	0.05202	11	2.01652	0.22854	0.04466
Taurine, Post-col Ninhydrin Der	994.12	139.00	1	0.09500	0.00707	0.01000	1	0.09500	0.00707	0.01000

AAFCO - Feed Check Sample No. - 200997 Meat and Bone Meal (Pork)

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index
--	Method 000.03	--
861	5.4750	.71
--	Method 000.99	--
265	0.7707	.71
--	Method 001.00	--
596	5.3000	2.05
504	4.8150 R	1.19
169	4.4150	.06
Avg	4.4125	
783	4.2950	-.29
309	4.2750	-.32
861	4.1500	-.60
029	4.0400	-.86
560	2.9200 s	-3.43
--	Method 001.03	--
686	4.4750	.84
731	4.4550	.80
567	4.2000	.35
688	4.1500	.28
Avg	3.9996	
867	3.8350	-.30
727	2.8825	-1.97
--	Method 001.05	--
610	4.1400	.00
--	Method 001.07	--
563	4.9120	2.17
049	4.7650	1.81
278	4.7150	1.69
581	4.7000	1.65
178	4.1000 R	.76
187	4.3200	.72
550	4.2750	.61
679	4.2500	.56
074	4.1750	.42
413	4.1500	.32

Lab	Average*	Index
--	Method 001.07	--
689	4.1500	.32
843	4.0650	.30
199	4.1300	.25
089	4.1200	.23
559	4.0350	.16
571	4.0750	.13
353	4.0700	.13
098	4.0450	.10
Avg	4.0283	
675	4.0100	-.09
177	4.0250	-.11
083	3.9500	-.23
015	3.9300	-.25
591	3.9200	-.27
609	3.8500	-.45
171	3.8300	-.49
693	3.7700 R	-.83
035	3.6300	-.98
669	3.6200	-1.01
366	3.6000	-1.05
297	3.5200	-1.26
307	3.5000	-1.30
616	3.5250	-1.31
038	3.0150	-2.52
618	2.3550 s	-5.35
345	1.2350 s	-6.86
--	Method 001.08	--
590	3.8500	.71
--	Method 001.99	--
505	4.5700	1.69
787	4.4650	1.30
864	4.4250	1.19
729	4.3200	.83
619	4.2700	.64
631	4.2200	.56
665	4.2250	.49
638	4.1700	.32

Lab	Average*	Index
--	Method 001.99	--
037	4.1000	.18
Avg	4.0799	
510	3.9000	-.60
722	3.8765	-.69
629	3.8500	-.79
720	3.8250	-.86
357	3.7700	-1.04
676	3.7215	-1.20
853	3.5700	-1.74
630	3.4950 R	-2.09
541	2.4800 s	-5.41
536	0.8800 s	-10.74
--	Method 002.00	--
015	52.680	.86
199	52.545	.75
028	52.415	.65
Avg	51.609	
826	51.570 R	-.44
679	50.575	-.83
864	49.830	-1.45
--	Method 002.01	--
716	52.050 s	3.82
043	51.615 R	2.46
098	51.550	1.57
685	51.395	.68
350	51.366	.59
731	51.265	.54
848	51.290	.18
723	51.285	.17
Avg	51.252	
652	51.200	-.53
860	51.055	-.93
653	50.860	-1.93

Lab	Average*	Index
--	Method 002.02	--
669	54.115	1.38
297	53.705	1.07
152	53.400	.77
Avg	52.467	
036	51.756	-.58
169	51.510	-.78
307	51.700	-.80
043	52.145 R	-1.07
033	51.085	-1.14
--	Method 002.03	--
536	50.775	.71
--	Method 002.04	--
591	53.380	1.41
504	52.400	.70
Avg	51.527	
638	51.410	-.18
187	50.345	-.90
596	50.100	-1.09
--	Method 002.05	--
622	53.524	2.02
722	52.746	1.23
178	52.250 R	.86
689	52.250	.78
620	52.268	.76
194	51.955	.44
852	51.900	.43
083	51.930	.42
Avg	51.521	
177	51.465	-.06
674	50.805	-.73
621	50.650	-.88
354	50.615	-.91
855	50.595	-.94
856	50.485	-1.04
596	50.100	-1.44

Lab	Average*	Index
--	Method 002.06	--
647	56.230 s	5.25
527	55.495 s	4.32
573	54.925 s	3.69
616	54.960 s	3.65
787	54.335	2.86
021	54.070	2.53
546	52.395 R	2.35
541	52.940 R	2.25
018	53.690 R	2.25
792	53.375	1.74
043	53.360	1.67
609	53.350	1.66
776	53.115	1.30
175	53.100	1.30
160	53.070	1.24
505	52.990	1.13
567	52.950	1.13
100	52.860	1.09
199	52.945	1.08
510	52.850	.98
006	52.811	.96
825	52.850	.96
229	52.840	.95
034	52.790	.91
511	52.785	.91
265	52.800	.90
754	52.420	.83
205	52.490	.81
759	52.730	.80
660	52.650	.80
019	52.675	.78
083	52.595	.73
001	52.195	.73
539	52.465	.71
089	52.650	.70
598	52.535	.70
646	52.475	.64
294	52.565	.61
017	52.470	.56

* 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. - 200997 Meat and Bone Meal (Pork)

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 002.11 --		--	Method 003.00 --	
202	52.450	.54	783	52.090	-.14	358	51.115 R	-1.74	713	54.035	1.72	Avg	11.964	
853	52.390	.51	610	52.050	-.20	554	50.690	-1.79	688	53.150	.73	353	11.950	-.02
866	52.450	.49	138	51.960	-.21	014	50.655 R	-2.10	731	52.785	.46	616	11.915	-.08
013	52.435	.48	108	52.070	-.22	830	50.535	-2.11	Avg	52.489		596	11.750	-.33
035	52.460	.48	687	51.900	-.28	695	50.355	-2.24	867	52.465	-.03	345	11.250	-1.11
353	52.425	.46	074	52.040	-.29	630	50.315	-2.29	011	52.450	-.07	309	11.005	-1.49
119	52.430	.44	009	51.865	-.30	132	50.290	-2.30	631	52.470	-.22	026	11.000	-1.50
808	52.420	.41	693	51.985	-.32	004	50.260	-2.33	567	51.500	-1.10	152	10.950	-1.58
026	52.390	.41	226	51.850	-.32	596	50.100	-2.55	679	51.055	-1.59	300	10.915	-1.63
300	52.385	.41	553	51.791	-.39	417	50.355 s	-2.96	665	48.470 S	-4.45	132	10.910 R	-1.66
144	52.405	.41	682	51.750	-.44	676	49.630 s	-3.33	727	49.259 S	-4.52	527	5.1750 s	-10.54
098	52.400	.41	550	51.855	-.48	782	49.290 s	-3.59						
190	52.415	.41	425	51.715	-.49	011	50.445 s	-3.70	--	Method 002.50 --		--	Method 003.01 --	
745	52.155	.39	859	51.675	-.54	692	49.050 s	-3.93	171	93.550 S	.00	504	11.585	-.71
520	52.385	.37	171	51.750	-.54	668	45.691 s	-8.15						
036	52.375	.35	242	51.690	-.57				--	Method 002.51 --		--	Method 003.04 --	
686	52.330	.35	045	51.700	-.63	--	Method 002.08 --		171	3.5500 S	.00	001	12.070	-.71
033	52.370	.35	366	51.600	-.64	062	52.339	.87						
816	52.350	.33	148	51.670	-.65	610	52.300	.84	--	Method 002.99 --		--	Method 003.06 --	
413	52.150	.32	626	51.990	-.69	Avg	51.367		065	52.313	.70	003	13.150 R	1.79
559	52.350	.32	038	51.535	-.72	563	51.010	-.32	643	52.270	.58	867	13.035	1.57
168	52.285	.31	357	51.440	-.84	309	49.820	-1.39	Avg	52.089		083	12.625 R	1.11
508	52.116	.30	027	51.425	-.90				305	51.685	-1.29	169	12.630	1.00
571	52.303	.29	049	51.800	-.91	--	Method 002.10 --		613	48.050 S	-12.36	852	12.570	.92
674	52.180	.25	712	52.090	-.95	727	54.465 s	5.04				148	12.500	.82
650	52.190	.25	142	51.500	-.99	867	53.275	1.92	--	Method 003.00 --		074	12.345	.61
037	52.180	.24	512	51.345	-1.00	861	52.850	1.48	307	13.050	1.69	688	12.300	.56
164	52.280	.23	278	51.300	-1.02	546	52.190 R	1.00	726	12.645	1.06	305	12.270	.50
504	52.150	.23	618	51.293	-1.07	121	52.315	.91	106	12.590	.97	574	12.270	.50
590	52.150	.20	619	51.250	-1.09	729	51.800	.38	190	12.475	.80	682	12.190	.39
345	52.175	.17	047	51.650	-1.11	675	51.550	.10	563	12.469	.78	559	12.055	.20
670	52.115	.14	003	51.210	-1.13	Avg	51.455		354	12.455	.76	009	12.055	.20
574	52.180	.12	803	51.140	-1.22	619	51.300	-.16	175	12.400 R	.74	294	12.045	.19
770	52.175	.11	354	51.125	-1.24	629	51.145	-.34	194	12.415	.70	229	12.025	.19
Avg	52.097		843	51.235	-1.32	688	51.150	-.36	848	12.260 R	.52	425	12.010	.13
407	52.080	-.02	106	50.955	-1.46	160	50.910	-.58	017	12.245	.44	297	11.955	.12
726	52.046	-.07	233	50.970	-1.47	628	50.590	-.93	035	12.150	.30	Avg	11.915	
029	52.070	-.07	673	50.900	-1.54	631	50.475	-1.04	015	12.080	.19	689	11.900	-.14
263	51.996	-.13	529	50.775	-1.70	596	50.100	-1.44	142	12.000	.06	511	11.805	-.22

* 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. - 200997 Meat and Bone Meal (Pork)

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index
--	Method 003.06 --	
199	11.695	-.31
731	11.255	-.95
647	10.760	-1.63
618	10.905 s	-2.18
669	10.325	-2.23
621	10.135	-2.50
--	Method 003.09 --	
590	12.700 R	1.58
554	12.690	1.49
653	12.645	1.34
004	12.615	1.28
350	12.441	.92
354	12.440	.92
013	12.420	.89
673	12.400	.86
038	12.190 R	.69
098	12.255	.56
226	12.100	.30
675	12.055	.13
Avg	11.997	
263	11.993	-.02
723	11.985	-.03
033	11.860	-.28
358	11.855	-.30
685	11.875	-.31
029	11.790	-.43
722	11.681	-.72
620	11.651	-.72
674	11.625	-.78
121	11.480	-1.07
027	11.405	-1.23
505	10.675	-2.73
--	Method 003.10 --	
119	12.855	2.58
591	12.625	1.81
062	12.500	1.45
178	12.050 R	1.30
--	Method 003.10 --	
676	12.407	1.18
720	12.155	.46
366	12.100	.41
233	12.135	.39
695	12.100	.30
619	12.050	.21
034	12.020	.06
089	12.010	.03
Avg	11.999	
629	11.945	-.15
098	11.930	-.20
728	11.865	-.46
160	11.855	-.53
693	11.850	-.57
573	11.751	-.75
679	11.730	-.78
202	11.695	-.87
855	11.630	-1.07
242	11.630	-1.07
623	11.624	-1.08
100	11.505	-1.45
618	11.693 R	-3.06
045	11.150 s	-3.46
042	10.490 s	-5.88
609	9.4450 s	-7.35
--	Method 003.11 --	
727	13.099 R	1.27
731	13.020 R	1.11
679	12.955	.94
867	12.885	.86
713	12.775	.73
631	12.635	.58
Avg	12.126	
688	12.000	-.14
567	12.000	-.14
011	11.500	-.71
665	10.255	-2.11
--	Method 003.12 --	
628	13.110	1.42
670	12.635	.19
Avg	12.558	
171	12.385	-.42
357	12.100	-1.13
864	8.5900 S	-9.55
--	Method 003.13 --	
187	12.320	1.84
660	11.845	.43
668	11.751	.41
Avg	11.749	
028	11.580	-.56
553	11.500	-.83
646	11.500	-.87
205	1.6285 s	-32.64
--	Method 003.14 --	
049	12.660	2.10
144	12.335	1.20
019	12.160	1.01
686	12.175	.81
175	12.000	.62
407	12.070	.58
520	11.895	.40
853	11.940	.23
278	11.900	.13
Avg	11.845	
581	11.720	-.44
529	11.660	-.45
598	11.700	-.46
413	11.650	-.49
265	11.650	-.60
550	11.435	-1.04
021	11.210	-1.66
567	11.200	-1.73
108	9.8250 s	-5.09
--	Method 003.99 --	
546	12.965 S	2.29
047	12.550	1.21
631	12.510	1.14
630	12.150	.63
787	11.980	.46
Avg	11.703	
861	11.640	-.09
613	10.950	-1.06
712	11.055	-1.14
536	10.785	-1.31
727	11.420 R	-1.53
--	Method 004.00 --	
015	3.2100 s	4.09
647	2.9350	3.55
353	2.8950 R	3.48
695	2.1400	1.97
226	1.9000 R	1.54
511	1.5500 R	.85
175	1.4950	.71
034	1.3950	.49
345	1.3750	.45
425	1.3500	.41
354	1.2300	.17
009	1.1900	.10
Avg	1.1477	
559	1.1350	-.04
171	1.0950	-.11
309	1.1150	-.13
169	1.0650	-.17
190	1.0450	-.21
510	1.0000	-.29
164	1.0000	-.29
042	0.9850	-.32
194	0.8950	-.50
726	0.8358	-.62
596	0.8150	-.66
563	0.7800	-.73
504	0.7600	-.77
--	Method 004.00 --	
199	0.7450	-.80
855	0.6950	-.91
132	0.4700	-1.35
--	Method 004.01 --	
366	2.3000	.86
Avg	1.6550	
693	1.0100	-.87
--	Method 004.03 --	
679	1.4950	.86
Avg	1.2308	
619	0.9665	-.87
--	Method 004.06 --	
866	2.5050 s	4.86
670	1.9800	2.90
685	1.6500	1.67
027	1.5050 R	1.60
675	1.5300	1.22
350	1.4010	.74
716	1.4000	.73
638	1.4000	.73
673	1.3000	.52
689	1.2500	.25
Avg	1.2046	
676	1.1980	-.05
621	1.1500	-.21
688	1.1500	-.28
508	1.0728	-.50
722	1.0298	-.65
512	1.0388	-.66
620	1.0256	-.68
205	1.0350	-.69
610	1.0000	-.76
591	1.0200	-.77
674	1.0050	-.84
723	0.9650	-.90
728	0.9750	-.96

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

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index
--	Method 004.06	--
848	0.9250	-1.04
178	1.0000 R	-1.07
867	0.2650 s	-3.51
--	Method 004.07	--
682	3.7000 S	2.69
686	3.4350	2.36
019	3.1350 R	2.02
100	2.9250	1.72
121	2.6840	1.41
144	2.4900	1.17
708	2.3300	.97
407	2.1800	.78
021	2.1700	.77
265	2.0375	.63
554	2.0000	.57
278	1.9500	.50
089	1.8800	.40
610	1.7500	.31
669	1.7450	.26
581	1.5850	.08
Avg	1.4973	
004	1.5500	-.01
294	1.4850	-.09
033	1.5400	-.10
300	1.2850	-.35
567	1.2000	-.47
229	1.1750	-.48
160	1.1450	-.52
643	1.1000	-.58
646	1.0700	-.62
026	0.9950	-.71
529	0.9700	-.74
505	0.9150	-.81
028	0.9000	-.83
413	0.8500	-.89
307	0.8500	-.91
074	0.8300	-.91
042	0.8250	-.92
--	Method 004.07	--
003	0.7900	-.97
520	0.7600	-1.00
098	0.7500	-1.02
553	0.2600	-1.64
--	Method 004.11	--
713	2.7700	1.32
679	2.3000	.81
731	2.0750	.67
727	2.0395	.61
567	1.7000	.18
Avg	1.5668	
631	1.0500	-.57
688	0.4000	-1.30
867	0.2000	-1.50
--	Method 004.99	--
856	3.9500 S	3.24
626	2.3450	1.30
Avg	1.3817	
598	0.9750	-.56
536	0.8250	-.70
--	Method 005.00	--
852	29.050 s	4.01
108	28.655 s	3.35
520	27.830 s	3.21
132	28.280	2.73
630	28.105	2.44
679	28.060	2.36
712	26.885 R	1.96
720	27.790	1.95
505	27.660	1.71
205	27.635	1.67
307	27.550	1.63
550	27.560	1.58
027	27.460	1.38
689	27.460	1.38
300	27.455	1.38
--	Method 005.00	--
660	27.340	1.20
853	26.750 R	1.15
305	27.275	1.12
345	27.295	1.11
716	27.300	1.11
357	27.250	1.11
803	27.250	1.03
504	27.075	.99
026	27.205	.96
622	27.185	.95
121	27.115	.92
650	27.175	.92
629	27.005	.84
407	27.110	.80
669	27.100	.79
294	27.060	.77
848	27.040	.70
148	27.030	.67
029	26.860	.59
242	26.975	.59
731	26.880	.57
001	26.660	.50
083	26.900	.49
098	26.650	.41
199	26.630	.39
553	26.635	.39
619	26.850	.38
226	26.800	.34
598	26.725	.29
670	26.730	.28
354	26.770	.25
089	26.755	.23
688	26.750	.23
620	26.755	.22
510	26.725	.18
358	26.700	.16
808	26.660	.13
674	26.685	.11
Avg	26.621	
--	Method 005.00	--
015	26.610	-.02
590	26.600	-.03
138	26.575	-.09
164	26.560	-.10
623	26.576	-.13
567	26.550	-.14
783	26.600	-.18
559	26.510	-.21
309	26.580	-.21
353	26.515	-.21
729	26.495	-.23
539	26.600	-.25
297	26.550	-.27
178	26.550	-.27
722	26.444	-.29
033	26.450	-.29
021	26.450	-.31
187	26.430	-.32
745	26.465	-.33
686	26.455	-.33
171	26.420	-.33
631	26.575	-.36
661	26.440	-.40
175	26.400	-.40
816	26.400	-.40
723	26.370	-.41
350	26.369	-.41
119	26.365	-.42
616	26.370	-.44
695	26.360	-.44
830	26.370	-.45
682	26.310	-.51
782	26.305	-.52
653	26.305	-.56
675	26.285	-.57
855	26.265	-.59
668	26.325	-.60
563	26.257	-.60
004	26.275	-.68
--	Method 005.00	--
194	26.195	-.70
038	26.190	-.72
770	26.155	-.77
144	26.115	-.90
169	26.025	-.98
609	26.015	-1.01
618	25.981	-1.06
160	25.920	-1.15
265	25.920	-1.17
100	25.930	-1.17
062	25.869	-1.24
152	25.850	-1.27
754	26.615 R	-1.27
759	25.810	-1.33
591	25.990 R	-1.34
049	25.950 R	-1.40
278	25.820	-1.42
417	25.700	-1.53
596	25.600	-1.68
856	25.590	-1.71
413	25.600 R	-1.87
693	25.475	-1.88
541	26.030 R	-1.91
676	26.064 R	-1.99
229	25.360	-2.07
142	25.200	-2.33
776	25.100	-2.57
643	23.710 s	-4.78
621	20.075 s	-10.74
035	0.8750 s	-42.25
--	Method 005.02	--
610	26.600	.00
--	Method 005.11	--
727	25.663 S	2.02
665	27.250	1.27
Avg	25.397	
688	24.650	-.56

* 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. - 200997 Meat and Bone Meal (Pork)

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index
--	Method 005.11 --	
631	24.290	-.76
679	24.115 S	-.92
713	23.590 S	-1.24
867	22.990 S	-1.65
731	22.690 S	-1.92
--	Method 005.99 --	
866	72.965 s	114.50
826	28.700 A	4.66
536	27.715	2.35
554	27.060	.67
652	26.850	.62
728	27.000	.41
065	26.938	.26
Avg	26.835	
861	26.650	-.47
574	26.650	-.48
628	26.790	-.58
673	26.600	-.77
546	26.735	-.80
613	26.470	-.91
727	26.567	-1.45
--	Method 008.02 --	
035	75.620 s	73.90
527	11.965 S	9.64
045	4.0550	1.65
038	3.1050	.76
675	2.7950	.47
187	2.6300	.21
728	2.6100	.20
Avg	2.4206	
309	1.7250	-.72
504	1.6800	-.76
353	0.7650	-1.67

Lab	Average*	Index
--	Method 008.05 --	
265	4.4860	-.71
--	Method 008.08 --	
693	3.7250 R	1.77
001	3.7000	1.59
148	3.4450	1.06
026	3.2950	.77
083	3.2800	.73
357	3.2000	.58
278	3.0050	.45
033	3.1050	.39
049	2.9950	.35
Avg	2.9073	
413	2.8000	-.21
004	2.8600	-.24
581	2.9050	-.34
358	2.7100	-.43
294	2.3550	-1.10
037	2.2550	-1.30
164	1.7000	-2.37
686	1.0950 s	-3.56
--	Method 008.99 --	
297	1.3800	.71
--	Method 009.04 --	
504	34.650	-.71
--	Method 009.07 --	
693	44.075	1.50
675	32.165	.40
297	28.320	.10
Avg	28.314	
309	22.660	-.54
353	14.350	-1.33

Lab	Average*	Index
--	Method 009.09 --	
265	37.465	1.52
686	35.230	1.10
278	32.200	.56
049	31.950	.54
357	30.400	.24
083	30.260	.23
Avg	29.088	
294	26.950	-.38
581	25.010	-.73
037	21.360	-1.39
413	20.050	-1.62
164	0.0000 s	-5.23
--	Method 009.99 --	
728	25.100	-.71
--	Method 010.03 --	
027	5.4850	1.67
618	3.5079	.29
Avg	3.5407	
843	2.8550	-.24
546	2.3150	-.61
826	1.6100 S	-1.10
--	Method 010.11 --	
679	4.8050	1.24
688	4.7500	.90
867	4.6800	.60
631	4.6300	.40
Avg	4.5295	
713	4.4950	-.23
731	4.3250	-.82
727	4.3506	-1.23
567	4.2000	-1.54
--	Method 010.99 --	
305	5.3200	2.30
668	4.7510	1.26
511	4.4350	.69

Lab	Average*	Index
--	Method 010.99 --	
652	4.3500	.53
613	4.2500	.35
417	4.2200	.34
527	4.2200	.29
716	4.1500	.18
Avg	4.0637	
673	4.0500	-.09
065	3.9925	-.13
852	3.9100	-.38
621	3.6900	-.68
168	3.6850	-.69
866	3.6700	-.74
628	3.3700	-1.29
712	2.9550	-2.05
--	Method 011.01 --	
160	18.875 s	42.32
596	5.4500	2.37
132	5.3350	2.04
622	5.1090	1.35
808	5.0300	1.13
194	5.0250	1.10
770	5.0150	1.07
803	5.0100	1.06
205	5.0050	1.04
745	5.0000	1.03
674	4.9300 R	.96
138	4.9750	.96
759	4.9750	.95
108	4.9750	.95
776	4.9100 R	.93
620	4.9178	.78
098	4.9050	.75
825	4.9000	.73
559	4.8850	.70
520	4.8850	.68
242	4.8700	.64
643	4.8500	.60
754	4.8500	.59

Lab	Average*	Index
--	Method 011.01 --	
723	4.8500	.58
144	4.8200	.55
653	4.8350	.54
792	4.7600	.50
148	4.8050	.46
100	4.7100	.45
782	4.7958	.43
830	4.7900	.42
573	4.7750	.37
816	4.7750	.36
233	4.7650	.34
541	4.6750	.29
171	4.7200	.28
682	4.7400	.25
033	4.7200	.19
021	4.7150	.18
309	4.7050	.15
350	4.6980	.13
Avg	4.6550	
354	4.6550	-.04
591	4.6300	-.12
670	4.6100	-.14
164	4.6050	-.16
843	4.6250	-.16
539	4.6150	-.18
407	4.5850	-.21
226	4.5500	-.35
229	4.5400	-.37
034	4.5250	-.39
026	4.4900	-.49
358	4.4650	-.57
646	4.5150	-.58
062	4.4465	-.62
175	4.4500	-.63
728	4.4450	-.63
848	4.3900	-.79
152	4.3500	-.92
650	4.3150	-1.03
119	4.3000	-1.06

* 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 011.01	--
510	4.3000	-1.10
623	4.2591	-1.20
722	4.2694	-1.20
004	4.2500	-1.27
675	4.2150	-1.31
553	4.3850 R	-1.45
855	4.1150	-1.64
660	3.9800	-2.02
598	3.9200	-2.19
294	3.8200	-2.49
856	3.6850	-2.89
574	3.6400 s	-3.14
265	3.6000 A	-3.15
859	3.5090 s	-3.42
--	Method 012.00	--
567	0.5000	.00
--	Method 012.03	--
297	1.0350	-.71
--	Method 012.04	--
106	2.6500	1.54
Avg	1.4563	
278	1.3000	-.20
353	1.1600	-.39
160	0.7150	-.96
--	Method 013.02	--
643	14.410	1.44
171	14.385	1.39
650	14.345	1.33
861	14.220	1.13
745	14.050	.83
100	13.985	.72
816	13.950	.70
830	13.945	.65
759	13.910	.62
843	13.920	.61
--	Method 013.02	--
825	13.850	.49
770	13.845	.48
754	13.645	.44
164	13.805	.42
826	13.625	.27
808	13.655	.20
229	13.675	.20
Avg	13.562	
776	13.545	-.05
354	13.495	-.12
675	13.455	-.18
510	13.500	-.20
853	13.395	-.42
553	13.310	-.43
855	13.465 R	-.52
148	13.165	-.67
033	13.015	-.92
803	13.010	-.94
856	12.995	-.97
792	12.355	-2.07
026	12.290	-2.16
616	12.100	-2.47
--	Method 013.03	--
591	13.940	.71
--	Method 013.08	--
591	12.290	.71
--	Method 013.10	--
160	14.790	2.00
652	14.300	1.46
843	13.920	.97
062	13.483	.45
Avg	13.102	
610	12.900	-.24
353	12.925	-.28
673	12.800	-.38
177	12.715	-.46
--	Method 013.10	--
539	12.695	-.49
688	12.450	-.77
660	12.185	-1.18
716	12.060	-1.23
638	11.850 R	-1.73
--	Method 013.11	--
Avg	13.390	
417	13.390	-.71
866	9.8000 S	-8.75
014	9.3585 S	-9.83
--	Method 013.13	--
042	14.000	1.14
843	13.920	.44
Avg	13.507	
581	12.600	-1.01
--	Method 013.99	--
628	14.510	1.05
065	13.932	.62
Avg	13.078	
689	12.700	-.28
613	11.170	-1.39
--	Method 015.00	--
616	351.50 s	8.68
169	106.50	1.40
345	105.93	1.38
520	61.500	.15
Avg	59.319	
560	55.750	-.20
049	34.190	-.75
353	26.215	-.98
021	25.150	-1.01
--	Method 016.02	--
668	1.6400	-.71
--	Method 017.00	--
353	16.450 s	12.07
345	3.8000	1.16
693	2.9450	.84
Avg	2.4538	
049	1.9050	-.48
358	1.1650	-1.11
--	Method 017.99	--
307	4.9500	.71
--	Method 019.00	--
716	10.650	2.03
043	9.8000	.73
679	9.3650	.10
Avg	9.3206	
722	9.3146	-.01
620	9.2860	-.11
194	9.1500	-.27
623	9.1433	-.28
622	9.0919	-.36
621	8.0850	-1.88
647	4.6400 s	-7.17
--	Method 019.01	--
019	9.8850 R	2.42
205	9.6800	1.78
307	9.6000	1.59
619	9.5100	1.36
354	9.4800	1.29
178	9.3850	1.23
263	9.3954	1.08
675	9.3100	.87
038	9.2050	.78
674	9.2400	.73
731	9.1450	.72
001	9.2260	.70
--	Method 019.01	--
175	9.1750	.69
036	9.2055	.62
723	9.1600	.51
856	9.0400	.47
013	9.0650	.39
034	9.1000	.36
505	9.0850	.34
653	9.0180	.20
563	8.9665	.06
Avg	8.9517	
305	8.9250	-.19
646	8.8650	-.23
035	8.8500	-.28
669	8.8500	-.29
670	8.8250	-.34
609	8.8950	-.38
596	8.8150	-.38
631	8.6950	-.67
350	8.6900	-.68
026	8.6500	-.74
650	8.6700	-.74
628	8.6950	-.77
152	8.5500	-.99
169	8.4900	-1.13
233	8.4200	-1.30
142	8.2500	-1.72
687	8.0950	-2.09
108	7.9450	-2.52
--	Method 019.02	--
536	10.330	.71
--	Method 019.03	--
686	10.235	1.66
043	9.1200 R	.61
036	9.4100	.44
Avg	9.1140	
033	8.7400	-.55
026	8.6150	-.74

* 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 019.03 --	
307	8.5700	-.83
--	Method 019.05 --	
226	10.315	2.57
300	9.7150 R	1.51
512	9.7775	1.46
004	9.7160	1.33
049	9.5550 R	1.26
168	9.6350	1.17
413	9.5800	1.10
029	9.4965	.98
661	9.5050	.89
425	9.4450	.77
520	9.1500 R	.74
083	9.3400	.59
550	9.3350	.54
171	9.3150	.50
003	9.2750	.42
294	9.2400	.34
100	9.1100	.28
148	9.1800	.22
407	9.1550	.17
265	9.1205	.15
610	9.1200	.11
Avg	9.0752	
164	9.0400	-.10
229	9.0200	-.12
074	9.0150	-.14
011	8.9224	-.32
695	8.8950	-.37
358	8.9050	-.38
598	8.8375	-.51
098	8.9400	-.61
026	8.7850	-.63
508	8.8060	-.64
511	8.8150	-.65
089	8.5800	-1.03
682	8.5400	-1.11
553	8.3850	-1.43

Lab	Average*	Index
--	Method 019.05 --	
242	8.3100	-1.61
297	8.1200	-2.00
685	8.0550	-2.12
--	Method 019.08 --	
138	9.2850	.86
729	9.2600	.78
848	9.1800	.57
867	9.1250	.47
673	9.1000	.44
Avg	8.9471	
629	8.3550	-1.43
590	8.3250	-1.54
--	Method 019.09 --	
510	10.710	2.24
353	10.335	1.66
190	10.285	1.59
160	10.241	1.57
693	9.5450 R	1.37
726	9.8750	.96
045	9.5400	.48
199	9.3170	.41
027	9.4100	.29
668	9.3150	.23
106	9.3350	.22
037	9.3050	.21
278	9.3500	.18
616	9.2850	.06
Avg	9.2502	
366	9.2500	-.08
017	9.2500	-.20
202	9.1250	-.21
567	9.0400	-.34
035	8.9500	-.47
848	8.8500	-.62
345	8.8450	-.62
560	8.7150	-.84
021	8.7250	-.87

Lab	Average*	Index
--	Method 019.09 --	
187	8.6750	-.88
038	8.6800	-.93
028	8.0600	-1.84
309	8.0385	-1.87
--	Method 019.99 --	
728	19.000 s	13.01
613	9.8400	1.35
692	9.5200	.92
047	9.3500	.71
Avg	8.7991	
665	8.6550	-.18
676	8.4420	-.46
121	8.1865	-.85
852	7.6000	-1.53
--	Method 020.00 --	
563	4.0000	.71
--	Method 020.01 --	
021	3.6500	1.02
171	3.2500	.61
Avg	2.6088	
567	1.7600	-.89
668	1.7750	-1.13
--	Method 020.99 --	
616	0.0000	.00
--	Method 021.01 --	
563	3.3120	.87
Avg	1.7560	
689	0.2000	-.87
--	Method 021.02 --	
567	2.3600	1.60
693	1.0000 R	.76
Avg	0.7350	
169	0.3800	-.35

Lab	Average*	Index
--	Method 021.02 --	
171	0.2000	-.53
616	0.0000	-.73
--	Method 022.01 --	
563	29.100 S	8.14
689	23.950 S	4.85
038	18.500	1.34
354	17.070	.38
Avg	16.491	
307	15.650	-.55
305	14.745	-1.13
--	Method 022.03 --	
083	22.500	2.41
598	21.000	1.88
265	18.135	.88
407	18.080	.87
520	17.500	.69
004	17.500	.69
297	17.000	.60
358	16.605	.35
508	15.950	.13
Avg	15.595	
100	15.500	-.18
226	15.500	-.18
242	15.000	-.21
550	15.432	-.22
049	15.200	-.29
029	15.175 R	-.47
610	14.000	-.56
229	14.000	-.56
098	13.500	-.75
148	13.330	-.79
171	13.100	-.87
026	11.650	-1.37
682	11.600	-1.39
003	11.000	-1.60

Lab	Average*	Index
--	Method 022.05 --	
202	20.500	2.21
278	19.350	1.57
294	19.000	1.36
160	18.450	1.10
353	17.325	.68
616	16.900	.53
560	17.300	.48
693	16.855	.32
106	16.950	.24
Avg	16.613	
187	16.525	-.09
199	16.060	-.31
567	16.000	-.35
413	16.050	-.41
021	16.000	-.45
345	15.965	-.55
169	15.200	-.80
309	14.920	-1.04
668	14.655	-1.11
038	14.500	-1.22
037	13.750	-1.62
--	Method 022.99 --	
692	15.300	.86
613	15.000	.44
Avg	14.657	
866	13.670	-1.26
--	Method 025.01 --	
563	316.11	.84
038	312.00	.72
354	307.20	.59
689	307.20	.58
307	293.00	.19
Avg	286.77	
670	250.50	-1.04
305	221.39	-1.86

* 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. - 200997 Meat and Bone Meal (Pork)

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index
--	Method 025.03 --	
682	365.60	2.18
229	341.00	1.42
297	327.50	1.08
553	326.00	1.03
049	315.43	.62
148	315.35	.62
520	311.50	.55
029	301.75	.54
004	308.00	.40
508	299.31	.35
358	297.92	.34
083	298.50	.19
100	296.50	.14
Avg	295.62	
098	289.50	-.22
226	287.50	-.25
407	285.50	-.32
598	281.00	-.46
550	289.92	-.55
171	272.50	-.74
610	258.00	-1.18
242	258.00	-1.18
026	257.50	-1.19
265	294.35 R	-1.39
300	215.55	-2.50
003	126.50 s	-5.28
--	Method 025.05 --	
693	446.50 s	7.73
278	356.56	2.14
353	331.95	1.33
169	332.50	1.30
160	318.00	.86
560	312.00	.80
345	305.27	.51
106	297.00	.22
Avg	290.46	
187	285.93	-.15
413	285.50	-.23

Lab	Average*	Index
--	Method 025.05 --	
021	282.50	-.25
038	282.50	-.28
567	286.50	-.29
199	275.95	-.45
294	276.44	-.48
616	265.50	-.85
037	255.50	-1.12
309	240.15	-1.57
668	238.52	-1.62
--	Method 025.99 --	
613	967.00 S	45.83
692	286.50	.71
Avg	286.50	
--	Method 026.00 --	
689	0.2500	.71
--	Method 027.01 --	
609	0.2800	1.59
305	0.2550	.64
263	0.2469	.29
169	0.2400	.02
Avg	0.2395	
563	0.2394	-.02
038	0.2300 R	-.87
307	0.2150	-.98
650	0.2001	-1.58
--	Method 027.03 --	
003	21.000 s	1279.73
550	0.2810	2.41
226	0.2750	1.97
407	0.2715	1.73
520	0.2450 R	.93
148	0.2559	.80
098	0.2550	.78
265	0.2536	.75
300	0.2455	.66

Lab	Average*	Index
--	Method 027.03 --	
171	0.2475	.37
Avg	0.2435	
026	0.2420	-.11
598	0.2417	-.15
049	0.2400	-.21
100	0.2400	-.21
610	0.2400	-.21
682	0.2400	-.21
083	0.2400	-.21
029	0.2351	-.53
413	0.2350	-.61
297	0.2400	-.65
229	0.2300	-.83
294	0.2300	-.83
553	0.2290	-.89
358	0.2300	-1.03
508	0.2251	-1.33
242	0.2200	-1.45
--	Method 027.05 --	
353	0.3050 S	3.17
278	0.3000 S	2.92
160	0.2834	2.10
199	0.2563	.76
345	0.2550	.74
202	0.2550	.74
693	0.2550	.74
560	0.2510	.50
Avg	0.2410	
187	0.2364	-.23
106	0.2365	-.25
021	0.2385	-.44
309	0.2310	-.50
567	0.2300	-.54
616	0.2305	-.55
037	0.2315 R	-.70
668	0.2100	-1.53
038	0.2050	-1.78

Lab	Average*	Index
--	Method 027.99 --	
692	0.2550	.87
Avg	0.2400	
613	0.2250	-.87
--	Method 028.01 --	
038	23.500 R	1.70
563	22.735	1.43
354	20.175	.56
307	18.700	.07
Avg	18.531	
689	15.750	-.95
305	15.295	-1.10
--	Method 028.03 --	
407	49.790 s	9.22
358	25.460	1.90
550	23.458	1.27
265	23.295	1.22
083	23.000	1.17
029	21.130 R	.97
297	21.000	.53
226	20.500	.41
148	20.355	.34
520	20.000	.23
004	20.000	.23
100	19.500	.17
Avg	19.248	
553	19.200	-.03
098	19.000	-.07
508	18.200	-.32
171	18.150	-.34
229	18.000	-.38
049	18.175	-.45
610	17.500	-.55
598	17.500	-.55
242	17.000	-.68
026	15.500	-1.13
682	9.4200	-2.97
003	0.2800 s	-5.73

Lab	Average*	Index
--	Method 028.05 --	
202	24.500	1.63
353	24.215	1.60
106	23.550	1.27
693	22.180 R	1.13
160	23.000	1.11
278	22.500	.90
345	22.220	.82
560	20.400	.13
Avg	20.120	
567	20.000	-.04
021	19.500	-.30
413	18.750	-.51
169	18.500	-.62
616	18.300	-.68
309	17.720	-.97
038	17.500	-.99
037	17.550	-.99
187	17.080	-1.13
668	16.755	-1.25
--	Method 028.99 --	
692	19.150	.83
Avg	18.325	
613	17.500	-.90
--	Method 029.00 --	
021	0.0360	.71
--	Method 031.01 --	
019	4.8500 R	1.92
596	4.8000	1.51
731	4.7950	1.44
674	4.7400 R	1.33
205	4.7450	1.21
233	4.7350	1.18
669	4.6850	1.00
026	4.6900	.98
001	4.6745	.94
511	4.6650	.89

* 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. - 200997 Meat and Bone Meal (Pork)

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
--	Method 031.01 --		--	Method 031.02 --		--	Method 031.05 --		--	Method 031.05 --		--	Method 032.02 --	
609	4.6600	.87	505	4.7750	1.14	083	4.6000	.26	121	3.9045	-2.15	590	0.5500	.68
034	4.6500	.81	043	4.7050	.87	413	4.6100	.24	693	0.4590 s	-13.44	169	0.5450	.58
175	4.5750 R	.79	Avg	4.6308		598	4.6110	.23				Avg	0.5133	
038	4.6400	.77	011	4.5282	-.79	848	4.5850	.13	--	Method 031.06 --		108	0.4450	-1.31
263	4.6236	.70	013	4.5150	-.91	610	4.5600	.11	536	4.0600	.86			
679	4.6200	.69				265	4.5635	.10	Avg	3.9175		--	Method 032.05 --	
036	4.5880	.55	--	Method 031.03 --		345	4.5500	.07	138	3.7750	-.87	226	0.8150 s	6.57
728	4.5850	.55	026	4.6900	.61	Avg	4.5488		686	2.8950 S	-6.27	083	0.7550 s	5.11
619	4.5850	.54	036	4.6375	.32	106	4.5250	-.08				265	0.6508	2.63
305	4.5700	.49	Avg	4.5825		695	4.5400	-.10	--	Method 031.99 --		242	0.6250	2.01
629	4.5500	.44	033	4.4900	-.53	004	4.5170	-.11	631	5.9700 S	5.16	567	0.6000	1.43
675	4.5250	.32	043	4.5400	-1.21	021	4.5400	-.13	613	4.9800	1.48	160	0.5958	1.35
848	4.5050	.31	307	4.5550	-1.51	045	4.5250	-.14	729	4.7150	.57	560	0.5730 R	1.32
653	4.4745	.26				560	4.4750	-.25	590	4.6600	.25	353	0.5950	1.29
108	4.5150	.25	--	Method 031.05 --		616	4.4650	-.28	673	4.6500	.25	187	0.5893	1.15
178	4.4750	.08	160	5.1370	1.94	628	4.4550	-.36	692	4.6150	.25	037	0.5645 R	.94
Avg	4.4580		226	5.1300	1.94	508	4.5300	-.39	Avg	4.6068		297	0.5800	.93
169	4.4250	-.15	353	5.0400	1.62	229	4.4200	-.42	676	4.4775	-.87	199	0.5581	.41
626	4.4300	-.17	661	5.0300	1.58	035	4.4000	-.49	047	4.1500	-1.74	021	0.5575	.39
035	4.4000	-.25	168	5.0000	1.53	029	4.3925	-.52	852	3.6500 S	-3.67	148	0.5560	.36
723	4.3900	-.29	726	4.9950	1.47	038	4.4150	-.58				345	0.5550	.35
646	4.4150	-.30	003	4.9900	1.45	520	4.4500	-.59	--	Method 032.01 --		171	0.5525	.29
622	4.3859	-.30	512	4.9885	1.44	199	4.3780	-.60	609	0.5700	1.47	106	0.5500	.22
670	4.3805	-.34	300	4.8240 R	1.04	017	4.4000	-.63	563	0.5680	1.41	278	0.5450	.15
722	4.3655	-.41	202	4.8350	.94	278	4.3950	-.67	098	0.5550	1.13	413	0.5450	.15
354	4.3600	-.42	567	4.8050	.92	682	4.3400	-.69	619	0.5385	.64	610	0.5450	.15
716	4.3900	-.44	407	4.8250	.91	187	4.3350	-.71	354	0.5200	.29	Avg	0.5411	
350	4.3400	-.54	510	4.8100	.86	242	4.3500	-.72	307	0.5250	.27	294	0.5400	-.03
018	4.3500	-.59	668	4.7900	.80	553	4.3450	-.75	Avg	0.5167		407	0.5365	-.14
563	4.3228	-.62	027	4.7650	.76	366	4.2750	-.92	205	0.5115	-.19	668	0.5350	-.19
620	4.3079	-.66	425	4.7650	.71	100	4.2350	-1.03	038	0.5025	-.39	616	0.5325	-.27
867	4.2900	-.71	190	4.7400	.68	098	4.1800	-1.21	305	0.4900	-.78	358	0.5350	-.39
142	4.1000	-1.57	164	4.7450	.64	037	4.2150 R	-1.27	670	0.4845	-.90	229	0.5250	-.40
152	4.0400	-1.77	049	4.6850	.57	685	4.1500	-1.31	720	0.4700	-1.31	038	0.5260	-.49
687	4.0250	-1.83	358	4.7050	.51	028	4.1500	-1.34	650	0.4650	-1.48	100	0.5250	-.53
194	3.8200	-2.70	550	4.7000	.50	297	3.9800	-1.87				026	0.5190	-.53
621	3.8000	-2.78	074	4.6800	.49	294	3.9800	-1.87				520	0.5300	-.55
647	2.4600 s	-8.49	148	4.6575	.37	309	3.9555	-1.95				029	0.5207	-.55
665	2.1200 s	-9.89	171	4.6550	.35	089	3.9200	-2.07				553	0.5180	-.55

* 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. - 200997 Meat and Bone Meal (Pork)

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index
--	Method 032.05	--
300	0.5131	-.67
682	0.5100	-.74
693	0.5200	-.88
598	0.4939	-1.14
309	0.4930	-1.15
049	0.4850	-1.47
508	0.4914 R	-1.54
550	0.4625	-1.89
003	0.4600	-1.94
--	Method 032.99	--
692	0.5600	.94
Avg	0.5450	
613	0.5300	-.78
--	Method 033.00	--
695	25.195 s	329.01
539	0.8550 R	1.63
297	0.8720	1.60
723	0.8150	.84
567	0.7600	.16
309	0.7545	.07
Avg	0.7531	
693	0.7450	-.13
407	0.6850	-.92
353	0.6400	-1.53
--	Method 033.01	--
686	0.8300	1.57
098	0.8250	1.48
413	0.8150	1.22
202	0.7750 R	.84
559	0.7900	.67
229	0.7900	.67
205	0.7765	.52
650	0.7800	.50
354	0.7800	.45
307	0.7750	.36
226	0.7700	.23
--	Method 033.01	--
029	0.7600	.22
199	0.7650	.16
021	0.7600	.01
278	0.7600	.01
Avg	0.7596	
042	0.7550	-.15
026	0.7300	-.69
100	0.7250	-.77
194	0.7250	-.77
004	0.7250	-.77
590	0.6650	-2.08
106	0.6495	-2.43
--	Method 033.03	--
144	0.8750	.93
Avg	0.8325	
265	0.7900	-.79
--	Method 033.99	--
358	1.6900 s	7.81
171	0.9700	1.93
653	0.8160	.68
673	0.7500	.43
856	0.7650	.33
Avg	0.7334	
619	0.6960	-.32
728	0.6750	-.52
861	0.6000	-1.11
855	0.5950	-1.18
--	Method 034.01	--
038	0.7320	1.19
Avg	0.7110	
668	0.6900	-.28
--	Method 034.04	--
171	0.7700	.71
--	Method 034.05	--
693	3.0700 S	88.70
560	0.8590	.71
Avg	0.8590	
--	Method 035.00	--
263	0.7423	1.81
609	0.7250	1.52
152	0.6750	.71
619	0.6685	.56
Avg	0.6356	
720	0.6350	-.09
233	0.6300	-.09
307	0.6300	-.19
205	0.6230	-.22
670	0.6150	-.37
038	0.6235	-.43
354	0.6000	-.63
305	0.5850	-.86
650	0.5100	-2.13
--	Method 035.01	--
563	0.6451	.80
Avg	0.6398	
138	0.6345	-.93
686	0.4745 S	-24.31
--	Method 035.03	--
202	0.7650	2.45
353	0.7399 R	2.03
160	0.7438	2.01
407	0.7325	1.79
226	0.7250	1.66
004	0.7090	1.32
083	0.7050	1.24
278	0.6850	.84
358	0.6650	.66
242	0.6700	.57
553	0.6650	.44
567	0.6550	.38
--	Method 035.03	--
297	0.6600	.34
148	0.6595	.33
100	0.6550	.26
413	0.6550	.26
187	0.6525	.19
345	0.6450	.11
693	0.6450	.11
Avg	0.6430	
049	0.6350	-.19
229	0.6350	-.19
610	0.6300	-.26
668	0.6300	-.26
508	0.6390	-.31
021	0.6195	-.47
199	0.6173	-.51
598	0.6122	-.62
520	0.6150	-.63
300	0.6155	-.66
616	0.6135	-.71
098	0.6150	-.75
309	0.6055	-.75
265	0.6047	-.77
038	0.5940	-1.03
661	0.5900	-1.06
682	0.5900	-1.06
029	0.5786	-1.29
550	0.5535	-1.83
089	0.5500	-1.86
--	Method 035.05	--
560	0.8210 S	5.69
590	0.6850	1.46
108	0.6550	1.21
106	0.6400	.08
Avg	0.6383	
169	0.6250	-.44
171	0.6200	-.65
294	0.6050	-1.14
--	Method 035.99	--
692	0.6650	.94
Avg	0.6575	
613	0.6500	-.78
--	Method 036.00	--
307	0.4200	.71
--	Method 036.03	--
187	0.5176	1.46
294	0.5050	1.29
169	0.5000	1.22
560	0.4990	1.21
708	0.4700	.82
021	0.4610	.69
160	0.4561	.62
345	0.4200	.19
278	0.4200	.13
Avg	0.4101	
202	0.4000	-.14
038	0.3940	-.23
171	0.3815	-.39
510	0.3800	-.41
106	0.3790	-.42
616	0.3865 R	-.43
693	0.3750	-.48
353	0.3600	-.70
309	0.3467	-.88
265	0.2850	-1.70
550	0.2430	-2.27
508	0.0792 s	-4.50
--	Method 036.04	--
226	0.3850	.71
--	Method 037.01	--
038	156.00	1.11
307	144.50 R	.70
689	149.90	.54
563	149.35	.48

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

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index
--	Method 037.01	--
Avg	144.18	
305	137.95	-.58
354	127.71	-1.55
--	Method 037.03	--
407	181.50 s	4.98
265	171.90 s	4.17
004	173.00 A	3.94
297	153.50	1.70
550	151.61	1.33
229	149.00	1.18
083	149.00	1.02
226	148.00	.90
098	146.50	.83
148	145.45	.59
003	145.00	.54
100	144.00	.42
682	141.54	.10
Avg	140.69	
029	140.65	-.21
553	138.00	-.35
171	140.00	-.38
520	137.50	-.43
598	136.00	-.57
508	137.38	-.60
242	135.00	-1.01
610	131.50	-1.12
049	130.53	-1.25
026	128.00	-1.57
358	126.36	-1.90
--	Method 037.05	--
353	179.30 R	2.59
160	164.45	1.55
413	162.50	1.45
169	158.00	1.11
345	150.39	.59
560	150.00	.56
278	149.80	.55
--	Method 037.05	--
202	148.00	.42
693	146.00	.30
021	145.50	.27
199	143.85	.15
Avg	141.77	
038	140.00	-.18
309	139.10	-.26
616	136.00	-.48
294	133.73	-.55
567	135.50	-.57
187	124.59	-1.17
037	113.50	-1.93
668	110.96	-2.10
106	0.1875 s	-9.65
--	Method 037.99	--
866	156.94	.93
692	144.50	.30
Avg	138.48	
613	114.00	-1.24
--	Method 038.00	--
278	0.8400	1.27
Avg	0.5032	
106	0.3545	-.56
693	0.3150	-.75
--	Method 039.02	--
508	2.2600	.95
021	2.0000	.20
Avg	1.9150	
668	1.4850	-1.24
--	Method 040.00	--
560	4.2400	-.71
--	Method 105.00	--
160	1.8150	.71
--	Method 106.02	--
160	220.90 R	1033.51
670	0.4500	1.27
Avg	0.1833	
199	0.1000	-.39
616	0.0000	-.86
--	Method 109.02	--
199	685.50	.87
Avg	547.50	
560	409.50	-.87
--	Method 120.00	--
675	4.0000	1.80
859	3.8985	1.12
160	3.7636	.37
350	3.7560	.16
Avg	3.7320	
571	3.7250	-.17
652	3.6600	-.50
504	3.6650	-.58
619	3.6250	-.73
171	3.4950 X	-1.64
684	3.5110 R	-1.78
--	Method 120.05	--
626	4.0950 S	2.08
668	3.8400	.71
Avg	3.8400	
--	Method 121.00	--
160	5.3886 s	8.33
859	3.9710	2.12
684	3.5415	.46
504	3.5600	.33
652	3.5150	.27
Avg	3.4876	
--	Method 121.00	--
350	3.4860	-.02
571	3.4800	-.18
619	3.4250	-.28
675	3.3050	-.80
171	3.1050 X	-1.69
--	Method 121.05	--
626	4.3150	.75
Avg	4.0625	
668	3.8100	-.96
--	Method 122.00	--
859	4.2470	1.62
684	3.9810	.69
675	3.9400	.48
350	3.8920	.30
571	3.8850	.29
171	3.8300 X	.20
Avg	3.8120	
504	3.7950	-.14
619	3.7550	-.21
652	3.6000	-.80
160	3.1952	-2.29
--	Method 122.05	--
626	4.1850	.71
668	4.3250 S	.67
Avg	4.1850	
--	Method 123.00	--
171	7.7300 X	-.71
--	Method 124.00	--
171	0.9900 s	7.32
160	0.4905	1.22
859	0.4815	1.11
684	0.4605	.85
652	0.3950	.08
Avg	0.3911	
--	Method 124.00	--
619	0.3870	-.12
571	0.3775	-.19
504	0.3600	-.40
350	0.3530	-.47
675	0.2150	-2.15
--	Method 124.99	--
668	0.3550	.71
--	Method 125.00	--
675	6.8800	1.53
684	6.6855	1.04
350	6.6730	1.00
859	6.3425	.21
Avg	6.2870	
571	6.1900	-.25
619	6.1400	-.38
652	6.0600	-.61
504	5.9500	-.89
160	5.6617	-1.62
171	1.3350 s	-12.79
--	Method 125.05	--
626	6.8600	.98
Avg	6.7850	
668	6.7100	-.74
--	Method 126.00	--
859	7.3005	1.43
675	7.1550	1.06
171	7.1250 X	1.03
684	6.7785 R	.63
350	6.7650	.08
Avg	6.7342	
571	6.7250	-.04
504	6.7050	-.28
652	6.3800	-.91
619	6.2800	-1.15
160	6.1725	-1.42

* 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 126.05 --	
626	7.6050	.83
Avg	6.8600	
668	6.1150	-.90
--	Method 127.00 --	
675	1.3600 s	5.96
350	1.1080	1.57
504	1.0650	1.06
652	1.0800	.97
684	1.0415	.69
571	1.0290	.56
Avg	1.0264	
619	0.9925	-.62
160	0.9880	-.69
859	0.9690	-1.03
171	0.9650 X	-1.13
--	Method 127.05 --	
626	1.1900	.46
Avg	1.1825	
668	1.1750	-1.14
--	Method 128.00 --	
684	1.4805	1.41
504	1.4700	1.27
571	1.4300	.68
Avg	1.3834	
350	1.3815	-.03
652	1.3750	-.14
619	1.3700	-.19
675	1.3650	-.27
859	1.3260	-.82
160	1.2523	-1.90
171	1.0700 S	-4.50
--	Method 128.05 --	
626	1.5900	.89
Avg	1.4925	
668	1.3950	-.84
--	Method 129.00 --	
684	3.2530	1.38
675	3.2450	1.28
504	3.1000	.60
350	3.0770	.38
571	3.0750	.37
Avg	3.0054	
859	2.9720	-.21
619	2.9600	-.24
652	2.9500	-.30
160	2.7424	-1.40
171	2.6800 X	-1.78
--	Method 129.05 --	
626	3.3500	.89
Avg	3.1200	
668	2.8900	-.85
--	Method 130.00 --	
504	2.8500 R	2.09
675	2.7700	1.40
571	2.6800	.72
684	2.6345	.40
160	2.6316	.38
350	2.6310	.35
619	2.5900	.08
Avg	2.5850	
652	2.5450	-.30
859	2.4925	-.74
171	2.2900 X	-2.23
--	Method 130.05 --	
626	2.7400 S	.00
668	3.0800 S	.00
Avg	0.0000	
--	Method 131.00 --	
859	0.7990	1.22
684	0.7520 R	.91
571	0.7330	.75
--	Method 131.00 --	
619	0.7175	.63
504	0.6800	.39
652	0.6450	.11
Avg	0.6302	
350	0.6205	-.07
160	0.4814	-1.08
675	0.3650	-1.92
--	Method 131.01 --	
171	1.6300 S	.00
--	Method 131.05 --	
626	1.0150	-.71
--	Method 131.99 --	
668	1.0700	.71
--	Method 132.00 --	
350	1.8835	.95
504	1.7650	.53
652	1.7550	.50
675	1.7450	.46
684	1.7225	.40
619	1.7200	.37
571	1.7100	.34
160	1.6434	.13
Avg	1.6165	
171	1.3000 X	-1.13
859	0.9205	-2.48
--	Method 132.05 --	
626	1.9550	.77
Avg	1.7450	
668	1.5350	-.95
--	Method 133.00 --	
171	5.1600 R	3.01
675	4.9800	2.27
Avg	4.3072	
--	Method 133.00 --	
160	4.2425	-.27
619	4.2050	-.35
684	4.2680	-.51
504	4.1650	-.53
571	4.1450	-.55
652	4.1450	-.56
--	Method 133.05 --	
626	4.5350	.84
Avg	4.2125	
668	3.8900	-.89
--	Method 134.00 --	
675	2.0600	1.25
160	2.0027	.86
859	1.9885	.60
350	1.9760	.49
652	1.9650	.41
619	1.9350	.18
571	1.9250	.05
Avg	1.9227	
684	1.9200	-.23
171	1.7350 X	-1.72
504	1.7200	-1.84
--	Method 134.05 --	
626	2.4600 S	2.19
668	2.0300	.71
Avg	2.0300	
--	Method 135.00 --	
684	1.7185	1.20
675	1.7150	1.12
160	1.7128	1.08
Avg	1.6592	
350	1.6510	-.17
652	1.6500	-.19
859	1.6265	-.74
571	1.6150	-.89
--	Method 135.00 --	
619	1.5850	-1.49
504	1.5700 R	-1.89
--	Method 135.05 --	
626	1.9550 S	1.78
668	1.6300	.71
Avg	1.6300	
--	Method 136.00 --	
684	0.3140	.71
--	Method 136.01 --	
571	0.3395	.85
619	0.3255	.44
Avg	0.3120	
160	0.2711	-1.26
--	Method 136.99 --	
504	0.3300	1.01
Avg	0.3225	
859	0.3150	-.69
--	Method 137.00 --	
504	1.2550	1.27
684	1.2185	.80
350	1.1680	.21
Avg	1.1535	
160	1.1444	-.11
675	1.1250	-.35
171	1.0100 X	-1.75
--	Method 137.05 --	
626	1.6050 S	2.28
668	1.1050	.71
Avg	1.1050	

* 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. - 200997 Meat and Bone Meal (Pork)

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
--	Method 138.00 --													
675	2.2500	1.22												
504	2.1600	.82												
571	2.1300	.68												
350	2.1075	.58												
684	2.0645 R	.48												
619	2.0550	.35												
652	2.0250	.21												
Avg	1.9796													
160	1.8228	-.71												
859	1.6515	-1.48												
171	1.6150 X	-1.65												
--	Method 138.05 --													
626	2.3450	.89												
Avg	2.1825													
668	2.0200	-.84												
--	Method 139.00 --													
504	0.0950	.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. - 200997 Meat and Bone Meal (Pork)

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	8	-0.3131	1.57	0.28	010.99	16	0.0000	1.01	0.15
001.03	6	0.0000	1.05	0.05	011.01	75	0.4470	5.03	0.25
001.07	35	-0.3266	1.63	0.62	012.04	4	0.0000	1.08	0.06
001.99	19	-0.9509	2.84	0.28	013.02	31	-0.0053	0.98	0.18
002.00	6	-0.0052	0.94	0.21	013.10	13	-0.1139	1.05	0.30
002.01	11	0.4971	1.46	0.68	013.11	3	-6.1945	5.39	0.41
002.02	8	-0.0329	0.93	0.44	013.13	3	0.0000	0.83	0.61
002.04	5	0.0000	1.05	0.15	013.99	4	0.0000	1.07	0.09
002.05	15	0.0489	0.99	0.17	015.00	8	1.0845	3.21	0.08
002.06	131	-0.0445	1.52	0.56	017.00	5	2.4041	5.44	0.58
002.08	4	0.0000	1.08	0.06	019.00	10	-0.7136	2.46	0.22
002.10	14	0.2819	1.27	1.07	019.01	39	0.0584	1.03	0.29
002.11	10	-0.8024	1.93	0.89	019.03	6	0.0015	0.94	0.26
002.99	4	-3.0832	6.23	0.44	019.05	38	0.0652	0.98	0.28
003.00	23	-0.4798	2.41	0.11	019.08	7	0.0000	1.02	0.21
003.06	25	0.0525	1.06	0.37	019.09	27	0.0167	0.98	0.31
003.09	24	0.0772	1.00	0.22	019.99	8	1.6263	4.70	0.17
003.10	28	-0.5309	1.86	1.09	020.01	4	0.0000	0.92	0.49
003.11	10	0.2111	1.02	0.25	021.01	2	0.0000	1.22	0.01
003.12	5	-1.9072	4.36	0.37	021.02	5	0.0523	0.94	0.32
003.13	7	-4.6627	12.37	0.27	022.01	6	2.1570	3.60	0.30
003.14	18	-0.2731	1.47	0.50	022.03	23	-0.0064	0.98	0.17
003.99	10	0.1374	1.05	0.70	022.05	20	0.0000	0.97	0.29
004.00	28	0.3519	1.38	0.13	022.99	3	0.0000	1.10	0.16
004.01	2	0.0000	1.21	0.15	025.01	7	0.0000	1.04	0.09
004.03	2	0.0000	1.21	0.14	025.03	25	-0.2124	1.41	0.37
004.06	26	0.0656	1.53	0.32	025.05	19	0.2546	1.46	1.41
004.07	37	0.0535	1.04	0.11	025.99	2	22.9136	32.40	0.66
004.11	8	0.0000	1.01	0.20	027.01	8	-0.0465	0.96	0.32
004.99	4	0.8108	1.84	0.26	027.03	26	49.2241	250.98	0.37
005.00	122	-0.4388	4.11	0.47	027.05	17	0.3303	1.37	0.21
005.11	8	-0.6784	1.02	0.75	027.99	2	0.0000	1.16	0.27
005.99	14	8.5092	30.54	0.56	028.01	6	0.2826	1.17	0.08
008.02	10	8.3533	23.25	0.15	028.03	24	0.1692	2.45	0.21
008.08	17	-0.1150	1.34	0.26	028.05	18	0.0424	0.98	0.29
009.07	5	0.0000	1.05	0.10	028.99	2	0.0000	1.09	0.40
009.09	11	-0.4750	1.85	0.09	031.01	48	-0.3125	2.11	0.27
010.03	5	0.0000	1.05	0.13	031.02	4	0.0000	0.99	0.37
010.11	8	0.0000	0.88	0.51	031.03	5	0.0000	0.45	0.86

AAFCO - Feed Check Sample No. - 200997 Meat and Bone Meal (Pork)

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
031.05	64	-0.2129	1.94	0.22
031.06	3	-2.0631	3.68	0.58
031.99	9	0.1709	2.37	0.39
032.01	12	0.0000	0.99	0.24
032.02	3	0.0000	1.06	0.28
032.05	41	0.2876	1.59	0.35
032.99	2	0.0000	1.11	0.37
033.00	9	36.7077	109.61	1.01
033.01	22	0.0154	0.98	0.23
033.03	2	0.0000	1.02	0.48
033.99	9	0.8653	2.76	0.30
034.01	2	0.0000	0.35	0.83
034.05	2	41.1424	58.18	23.43
035.00	13	0.0000	1.01	0.16
035.01	3	-8.0733	14.00	1.27
035.03	39	0.0495	1.02	0.23
035.05	7	0.8115	2.30	0.49
035.99	2	0.0000	1.11	0.37
036.03	21	-0.2298	1.37	0.09
037.01	6	0.0050	0.94	0.30
037.03	24	0.5298	1.69	0.49
037.05	20	-0.3546	2.45	0.17
037.99	3	0.0000	1.11	0.07
038.00	3	0.0000	1.10	0.14
039.02	3	0.0000	0.93	0.50
106.02	4	258.2114	516.42	18.48
109.02	2	0.0000	1.22	0.02
120.00	10	-0.1485	1.06	0.37
120.05	2	0.6935	0.98	1.20
121.00	10	0.8327	2.80	0.18
121.05	2	0.0000	0.84	0.63
122.00	10	0.0000	1.02	0.14
122.05	2	0.1088	0.15	0.67
124.00	10	0.7317	2.51	0.09
125.00	10	-1.2790	4.16	0.13
125.05	2	0.0000	0.15	0.86
126.00	10	0.0112	0.96	0.25
126.05	2	0.0000	1.11	0.37
127.00	10	0.5953	2.07	0.44
127.05	2	0.0000	0.10	0.86
128.00	10	-0.4492	1.71	0.18
128.05	2	0.0000	1.12	0.35
129.00	10	0.0000	1.00	0.20
129.05	2	0.0000	1.13	0.33
130.00	10	0.1999	1.15	0.22
130.05	2	0.0000	0.00	0.00
131.00	9	0.0982	1.01	0.10
132.00	10	0.0000	1.03	0.06
132.05	2	0.0000	1.01	0.49
133.00	8	0.3593	1.38	0.38
133.05	2	0.0000	1.19	0.21
134.00	10	0.0000	1.01	0.19
134.05	2	1.0859	1.54	0.53
135.00	9	-0.1989	1.13	0.24
135.05	2	0.8839	1.25	0.53
136.01	3	0.0000	1.11	0.13
136.99	2	0.0000	0.86	0.62
137.00	6	0.0000	1.04	0.14
137.05	2	1.1405	1.61	0.51
138.00	10	0.0382	0.98	0.12
138.05	2	0.0000	1.14	0.32