

AAFCO Check Sample Program
All Methods Report
Sort by Method
Proficiency For Individual Methods
Sample # 201431
Marine & Animal Protein Concentrate



AAFCO
Check Sample Program

Issue Date : 12/31/2014

Method Code	Total # Labs Submitting	# Labs Included In Method Calcs	Mean	SD	Assigned Value - Robust Mean	AAFCO CS ffp - Robust sd	Uncertainty (U) - Robust	% RSD - Robust	Between Labs sL	Within Labs sr	Reproducibility SR	Between Labs %RSD	Within Labs %rsd	Reproducibility %RSD	sR/sr	Average Range (R-bar)	Horwitz %RSD
000.02	1		0.70000														
000.99	1		0.00000														
001.00	8	7	10.000	0.20496	9.9398	0.28963	0.07241	2.91%	0.17714	0.14580	0.22943	1.77%	1.46%	2.29%	1.5735	0.14275	2.83%
001.03	13	12	10.161	0.17691	10.181	0.13133	0.02576	1.29%	0.17283	0.05344	0.18090	1.70%	0.53%	1.78%	3.3849	0.06897	2.82%
001.05	1		10.710														
001.07	36	34	9.9847	0.26240	9.9901	0.23454	0.02764	2.35%	0.25016	0.11201	0.27409	2.51%	1.12%	2.75%	2.4470	0.12145	2.83%
001.08	2	0															
001.99	20	19	9.7601	0.60378	9.8355	0.44398	0.07020	4.51%	0.59808	0.11705	0.60942	6.13%	1.20%	6.24%	5.2065	0.11220	2.84%
002.00	3	3	69.488	0.72791	69.488	0.72791	0.29717	1.05%		1.0345			1.49%		1.0100		2.11%
002.01	12	10	69.728	0.81128	69.711	0.87505	0.18656	1.26%	0.80672	0.12146	0.81581	1.16%	0.17%	1.17%	6.7168	0.20345	2.11%
002.02	4	4	69.632	1.2300	69.632	1.2300	0.43486	1.77%	1.2139	0.28001	1.2458	1.74%	0.40%	1.79%	4.4491	0.31038	2.11%
002.04	5	5	69.062	1.1982	69.062	1.1982	0.37892	1.74%	0.99976	0.93410	1.3682	1.45%	1.35%	1.98%	1.4648	0.96000	2.11%
002.05	41	38	69.477	0.69461	69.421	0.71546	0.07999	1.03%	0.65882	0.31125	0.72865	0.95%	0.45%	1.05%	2.3410	0.33123	2.11%
002.06	139	131	70.461	0.81420	70.477	0.82125	0.04961	1.17%	0.75878	0.41754	0.86608	1.08%	0.59%	1.23%	2.0742	0.46851	2.11%
002.08	2	0															
002.10	1		69.915														
002.11	4	4	68.914	8.8683	68.914	8.8683	3.1354	12.87%	8.8675	0.16826	8.8691	12.87%	0.24%	12.87%	52.710	0.19750	2.12%
002.99	2	0															
003.00	18	16	7.4605	1.0193	7.5731	0.17973	0.03082	2.37%	1.0165	0.10726	1.0221	13.62%	1.44%	13.70%	9.5297	0.12508	2.95%
003.01	1		7.2250														
003.06	19	17	7.4894	0.22114	7.5089	0.21768	0.03531	2.90%	0.20451	0.11898	0.23660	2.73%	1.59%	3.16%	1.9886	0.14016	2.95%
003.09	22	19	7.3990	0.25209	7.4455	0.21336	0.03292	2.87%	0.24577	0.07934	0.25826	3.32%	1.07%	3.49%	3.2553	0.09716	2.96%
003.10	29	26	7.3575	0.21358	7.3488	0.21519	0.02876	2.93%	0.20744	0.07191	0.21955	2.82%	0.98%	2.98%	3.0531	0.09536	2.96%
003.11	3	3	6.9517	1.1713	6.9517	1.1713	0.47818	16.85%	1.1709	0.04340	1.1717	16.84%	0.62%	16.85%	26.999	0.05000	2.99%
003.12	8	8	7.4118	0.16306	7.4118	0.18491	0.04623	2.49%	0.15979	0.04596	0.16627	2.16%	0.62%	2.24%	3.6172	0.04880	2.96%
003.13	9	9	7.5528	0.24961	7.5290	0.22814	0.05377	3.03%	0.23796	0.10660	0.26075	3.15%	1.41%	3.45%	2.4460	0.11456	2.95%
003.14	39	35	7.5444	0.25704	7.5475	0.25702	0.02948	3.41%	0.24819	0.09456	0.26560	3.29%	1.25%	3.52%	2.8089	0.12727	2.95%
003.99	3	2	7.8275	0.05303	6.4683	2.3544	0.96120	36.40%		0.08500			1.09%		0.69000		3.02%
004.00	25	23	0.99955	0.49414	0.99090	0.47389	0.06840	47.82%	0.48709	0.11769	0.50110	48.73%	11.77%	50.13%	4.2577	0.12059	4.01%
004.01	1		0.98500														
004.03	5	5	1.0390	0.47533	1.0390	0.47533	0.15031	45.75%	0.46657	0.12849	0.48394	44.91%	12.37%	46.58%	3.7663	0.13400	3.98%
004.06	30	27	0.89337	0.27860	0.90094	0.24619	0.03233	27.33%	0.27509	0.06237	0.28207	30.79%	6.98%	31.57%	4.5228	0.07865	4.06%

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004.07	55	52	1.2096	0.53535	1.1964	0.53141	0.05114	44.42%	0.53014	0.10545	0.54052	43.83%	8.72%	44.68%	5.1257	0.11958	3.89%
004.99	2	0															
005.00	97	89	11.185	0.28375	11.199	0.27603	0.02013	2.46%	0.25398	0.17893	0.31068	2.27%	1.60%	2.78%	1.7363	0.21065	2.78%
005.02	1		11.115														
005.05	31	29	11.341	0.19565	11.325	0.21672	0.02798	1.91%	0.17728	0.11708	0.21245	1.56%	1.03%	1.87%	1.8146	0.11340	2.78%
005.11	2	0															
005.99	8	8	11.512	0.26538	11.527	0.27091	0.06773	2.35%	0.17596	0.28094	0.33149	1.53%	2.44%	2.88%	1.1799	0.31613	2.77%
006.00	1		0.09500														
006.01	1		0.20000														
006.99	5	4	0.36625	0.66750	3.4700	6.9642	2.2023	200.70%	0.66671	0.04596	0.66829	182.04%	12.55%	182.47%	14.540	0.05200	3.32%
008.02	12	10	8.4509	3.0201	8.2617	2.7912	0.59509	33.79%	3.0174	0.18045	3.0228	35.71%	2.14%	35.77%	16.752	0.25675	2.91%
008.05	1		7.0500														
008.08	32	31	9.5591	3.4317	9.0657	3.2597	0.40747	35.96%	3.4147	0.48185	3.4485	35.72%	5.04%	36.08%	7.1568	0.54253	2.87%
008.99	2	0															
009.04	1		37.645														
009.07	6	4	25.244	1.0444	31.194	13.336	4.2171	42.75%	1.0373	0.17211	1.0515	4.11%	0.68%	4.17%	6.1095	0.25948	2.38%
009.09	34	30	28.399	5.0555	27.503	3.5659	0.43893	12.97%	5.0395	0.56822	5.0715	17.75%	2.00%	17.86%	8.9252	0.68284	2.43%
009.99	3	3	16.437	15.481	16.437	15.481	6.3201	94.19%	15.481	0.07371	15.481	94.18%	0.45%	94.19%	210.02	0.08667	2.62%
010.03	2	0															
010.11	4	4	9.2500	3.0463	9.2500	3.0463	1.0770	32.93%	3.0449	0.13105	3.0477	32.92%	1.42%	32.95%	23.255	0.12500	2.86%
010.99	10	9	9.8615	0.41298	9.9130	0.30882	0.07279	3.12%	0.40958	0.07481	0.41635	4.15%	0.76%	4.22%	5.5652	0.07861	2.83%
011.01	67	63	10.484	0.31073	10.503	0.28394	0.02471	2.70%	0.29987	0.11518	0.32123	2.86%	1.10%	3.06%	2.7890	0.14217	2.81%
011.02	2	0															
011.03	1		9.1500														
011.99	4	4	10.194	0.45287	10.194	0.45287	0.16011	4.44%	0.45016	0.06994	0.45556	4.42%	0.69%	4.47%	6.5139	0.08325	2.82%
012.00	8	0			0.00000	0.00000	0.00000									0.00000	#DIV/0!
012.01	5	4	0.39125	0.14409	0.50400	0.28131	0.08896	55.82%	0.14298	0.02527	0.14519	36.54%	6.46%	37.11%	5.7459	0.05256	4.43%
012.03	3	2	0.38000	0.16971	1.0550	1.1753	0.47980	111.40%	0.16956	0.01000	0.16985	44.62%	2.63%	44.70%	16.985	0.14333	3.97%
012.04	3	3	2.0350	2.4389	2.0350	2.4389	0.99569	119.85%	2.4381	0.09211	2.4398	119.81%	4.53%	119.89%	26.489	0.11000	3.59%
012.11	2	0															
012.99	1		0.25000														
013.00	20	18	8.9669	0.51619	8.8789	0.50184	0.08141	5.65%	0.50986	0.11396	0.52244	5.69%	1.27%	5.83%	4.5846	0.12358	2.88%
013.02	25	24	9.2127	0.35774	9.2172	0.39592	0.05715	4.30%	0.33884	0.16225	0.37568	3.68%	1.76%	4.08%	2.3155	0.17524	2.86%
013.08	1		8.6600														
013.10	9	9	8.6911	1.2272	8.9737	0.50804	0.11975	5.66%	1.2204	0.18211	1.2339	14.04%	2.10%	14.20%	6.7760	0.20878	2.87%
013.12	1		10.445														
013.13	4	3	8.1600	0.91579	7.9929	0.81905	0.28958	10.25%	0.91522	0.04583	0.91637	11.22%	0.56%	11.23%	19.997	0.39725	2.93%
015.41	6	5	96.156	11.696	96.156	11.696	3.6987	12.16%	11.556	2.5551	11.835	12.02%	2.66%	12.31%	4.6319	3.4906	8.05%
015.43	8	7	106.88	9.6064	109.09	10.778	2.6945	9.88%	9.4471	2.4640	9.7631	8.84%	2.31%	9.13%	3.9623	3.5388	7.89%
015.53	2	0															
017.41	2	0															
017.42	2	0															
017.43	8	8	1.9136	1.6237	1.9136	1.8413	0.46032	96.22%	1.5595	0.63938	1.6855	81.49%	33.41%	88.08%	2.6361	0.50275	14.51%

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017.53	1		1.3990														
019.00	21	19	3.3736	0.11056	3.3650	0.11263	0.01781	3.35%	0.10343	0.05524	0.11726	3.07%	1.64%	3.48%	2.1228	0.06253	3.33%
019.02	1		2.9150														
019.03	1		3.5434														
019.08	12	11	3.3107	0.17550	3.2927	0.20109	0.04105	6.11%	0.17107	0.05541	0.17983	5.17%	1.67%	5.43%	3.2452	0.07416	3.34%
019.09	1		3.2655														
019.31	23	21	3.4260	0.21089	3.4006	0.22187	0.03345	6.52%	0.20543	0.06738	0.21620	6.00%	1.97%	6.31%	3.2085	0.08386	3.33%
019.32	3	3	3.6150	0.30112	3.6150	0.30112	0.12293	8.33%	0.30094	0.01472	0.30130	8.32%	0.41%	8.33%	20.469	0.01667	3.30%
019.33	1		3.5250														
019.41	37	34	3.4230	0.19815	3.4048	0.19819	0.02369	5.82%	0.18672	0.09381	0.20896	5.45%	2.74%	6.10%	2.2275	0.09435	3.33%
019.42	19	18	3.4020	0.23820	3.3686	0.20627	0.03346	6.12%	0.22449	0.11262	0.25116	6.60%	3.31%	7.38%	2.2302	0.14414	3.33%
019.43	20	20	3.3541	0.30138	3.3598	0.29915	0.04730	8.90%	0.27744	0.16645	0.32355	8.27%	4.96%	9.65%	1.9438	0.17480	3.33%
019.44	1		3.4600														
019.52	1		3.8113														
019.53	2	0															
019.99	6	5	3.4652	0.23329	3.3716	0.35155	0.10148	10.43%	0.18884	0.19372	0.27053	5.45%	5.59%	7.81%	1.3965	0.23400	3.33%
021.00	1		0.00000														
021.31	1		2.0000														
021.41	3	2	0.04885	0.00092	0.17590	0.22006	0.08984	125.10%		0.01930			39.51%			0.01600	20.78%
021.43	5	4	0.04286	0.04971	0.05129	0.04700	0.01486	91.63%	0.04971	0.00103	0.04972	115.97%	2.39%	116.00%	48.492	0.00658	25.01%
021.52	2	0															
021.53	4	4	0.08704	0.04230	0.08704	0.04230	0.01496	48.60%	0.04212	0.00557	0.04248	48.39%	6.40%	48.81%	7.6213	0.00658	23.10%
022.31	7	6	11.428	3.4320	11.428	3.8919	1.1235	34.06%	3.4216	0.37749	3.4424	29.94%	3.30%	30.12%	9.1190	0.41667	11.09%
022.32	2	0															
022.33	1		11.675														
022.41	20	17	11.573	2.2607	11.718	2.3174	0.37593	19.78%	2.2055	0.70216	2.3145	19.06%	6.07%	20.00%	3.2963	0.83336	11.05%
022.42	14	12	10.551	1.4993	10.582	1.4692	0.28814	13.88%	1.4335	0.62131	1.5624	13.59%	5.89%	14.81%	2.5147	0.72077	11.22%
022.43	15	14	9.9843	1.0222	10.198	0.71813	0.13111	7.04%	0.94539	0.54966	1.0936	9.47%	5.51%	10.95%	1.9896	0.53133	11.28%
022.44	1		10.950														
022.52	1		9.1500														
022.53	3	3	11.598	1.3172	11.598	1.3172	0.53774	11.36%	1.1401	0.93282	1.4731	9.83%	8.04%	12.70%	1.5792	1.0100	11.06%
022.99	2	0															
023.01	1		30.150														
025.31	10	8	1,034.0	118.42	1,066.6	137.80	32.479	12.92%	118.25	8.9578	118.59	11.44%	0.87%	11.47%	13.238	10.202	5.60%
025.32	2	0															
025.33	1		1,052.9														
025.41	28	25	1,080.7	67.674	1,082.4	55.965	7.6158	5.17%	65.236	25.454	70.026	6.04%	2.36%	6.48%	2.7511	27.670	5.59%
025.42	14	14	1,128.7	109.58	1,124.0	115.48	21.825	10.27%	105.60	41.373	113.41	9.36%	3.67%	10.05%	2.7413	46.285	5.56%
025.43	17	15	1,095.0	122.59	1,119.4	112.05	19.807	10.01%	116.03	55.915	128.80	10.60%	5.11%	11.76%	2.3036	85.801	5.56%
025.52	2	0															
025.53	1		1,256.5														
025.99	2	0															
027.31	12	10	0.10546	0.00762	0.10404	0.00867	0.00185	8.33%	0.00680	0.00486	0.00836	6.45%	4.61%	7.93%	1.7205	0.00595	5.62%

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027.32	2	0															
027.33	1		0.11000														
027.41	30	27	0.11096	0.00598	0.11070	0.00640	0.00084	5.78%	0.00514	0.00430	0.00671	4.64%	3.88%	6.04%	1.5588	0.00558	5.57%
027.42	16	15	0.11018	0.00694	0.11086	0.00820	0.00145	7.40%	0.00553	0.00592	0.00810	5.02%	5.38%	7.36%	1.3685	0.00589	5.57%
027.43	16	16	0.10300	0.00907	0.10237	0.00684	0.00121	6.68%	0.00855	0.00431	0.00957	8.30%	4.19%	9.29%	2.2198	0.00460	5.64%
027.44	1		0.10600														
027.52	1		0.10730														
027.53	2	0															
027.99	3	2	0.11500	0.00707	0.09333	0.03786	0.01546	40.56%	0.00707	0.00000	0.00707	6.15%	0.00%	6.15%		0.00667	5.72%
028.31	9	7	9.0739	1.0008	8.9205	1.0965	0.27413	12.29%	0.99341	0.17121	1.0081	10.95%	1.89%	11.11%	5.8877	0.37500	11.51%
028.32	2	0															
028.33	1		9.8350														
028.41	25	24	10.121	1.7983	9.9070	1.3029	0.18805	13.15%	1.7414	0.63467	1.8535	17.21%	6.27%	18.31%	2.9204	0.63719	11.33%
028.42	16	14	10.886	2.7927	10.774	2.3125	0.42219	21.46%	2.5439	1.6293	3.0210	23.37%	14.97%	27.75%	1.8541	2.1585	11.19%
028.43	17	15	10.073	1.4805	10.044	1.2915	0.22831	12.86%	1.3959	0.69784	1.5606	13.86%	6.93%	15.49%	2.2363	0.66688	11.30%
028.44	2	0															
028.52	1		3.9100														
028.53	2	0															
028.99	2	0															
031.00	2	0															
031.01	50	45	1.8404	0.09794	1.8371	0.08870	0.00896	4.83%	0.09668	0.02212	0.09918	5.25%	1.20%	5.39%	4.4831	0.02802	3.65%
031.02	3	3	1.7871	0.02149	1.7871	0.02149	0.00877	1.20%	0.01046	0.02655	0.02853	0.59%	1.49%	1.60%	1.0749	0.03573	3.67%
031.03	5	5	1.8747	0.12599	1.8747	0.12599	0.03984	6.72%	0.12164	0.04640	0.13019	6.49%	2.47%	6.94%	2.8061	0.05144	3.64%
031.06	2	0															
031.41	34	29	1.8262	0.09256	1.8437	0.10135	0.01248	5.50%	0.08664	0.04606	0.09812	4.74%	2.52%	5.37%	2.1304	0.07388	3.65%
031.42	18	18	1.8328	0.15360	1.8095	0.12221	0.02037	6.75%	0.14224	0.08200	0.16418	7.76%	4.47%	8.96%	2.0023	0.08562	3.66%
031.43	20	19	1.8457	0.15898	1.8467	0.14985	0.02431	8.11%	0.15295	0.06131	0.16478	8.29%	3.32%	8.93%	2.6877	0.06106	3.65%
031.44	1		1.8500														
031.53	2	0															
031.99	7	6	1.7318	0.15245	1.7504	0.08961	0.02395	5.12%	0.14730	0.05558	0.15743	8.51%	3.21%	9.09%	2.8327	0.08029	3.68%
032.02	1		0.39500														
032.08	1		0.43400														
032.31	15	13	0.41448	0.05417	0.42220	0.06749	0.01275	15.98%	0.05392	0.00723	0.05441	13.01%	1.74%	13.13%	7.5239	0.01174	4.55%
032.32	2	0															
032.41	30	25	0.41559	0.02585	0.41488	0.02796	0.00380	6.74%	0.02471	0.01072	0.02694	5.95%	2.58%	6.48%	2.5128	0.01381	4.57%
032.42	17	17	0.44114	0.02363	0.44063	0.02577	0.00442	5.85%	0.01979	0.01824	0.02692	4.49%	4.14%	6.10%	1.4755	0.01911	4.52%
032.43	17	15	0.42277	0.02164	0.42535	0.02644	0.00467	6.22%	0.02091	0.00787	0.02234	4.95%	1.86%	5.28%	2.8381	0.00863	4.55%
032.44	1		0.40600														
032.52	1		0.35025														
032.53	2	0															
032.99	3	3	0.39000	0.03122	0.39000	0.03122	0.01275	8.01%	0.03096	0.00577	0.03149	7.94%	1.48%	8.07%	5.4544	0.00667	4.61%
033.00	23	21	0.56131	0.08358	0.56944	0.08256	0.01245	14.50%	0.08327	0.01018	0.08389	14.84%	1.81%	14.95%	8.2390	0.01273	4.35%
033.01	28	27	0.64900	0.03291	0.65176	0.02797	0.00374	4.29%	0.03197	0.01101	0.03381	4.93%	1.70%	5.21%	3.0713	0.01090	4.27%

Method Code	Total # Labs Submitting	# Labs Included In Method Calcs	Mean	SD	Assigned Value - Robust Mean	AAFCO CS ffp - Robust sd	Uncertainty (U) - Robust	% RSD - Robust	Between Labs sL	Within Labs sr	Reproducibility sR	Between Labs %RSD	Within Labs %rsd	Reproducibility %RSD	sR/sr	Average Range (R-bar)	Horwitz %RSD
033.03	3	2	0.68500	0.00707	0.66833	0.02930	0.01196	4.38%	0.00707	0.00000	0.00707	1.03%	0.00%	1.03%		0.01000	4.25%
033.05	1		1.4300														
033.99	5	5	0.71190	0.20181	0.71190	0.20181	0.06382	28.35%	0.20030	0.03483	0.20330	28.14%	4.89%	28.56%	5.8376	0.03940	4.21%
034.04	3	3	0.90367	0.01872	0.90367	0.01872	0.00764	2.07%	0.00785	0.02403	0.02528	0.87%	2.66%	2.80%	1.0521	0.02267	16.24%
034.41	1		0.63600														
034.42	1		0.00000														
034.43	2	0															
034.52	1		0.98000														
034.53	6	6	1.3246	0.45656	1.2590	0.38146	0.11012	30.30%	0.42501	0.23585	0.48606	32.09%	17.81%	36.70%	2.0609	0.21908	15.45%
034.99	1		0.85500														
035.01	3	3	0.39333	0.05008	0.39333	0.05008	0.02045	12.73%	0.04988	0.00643	0.05029	12.68%	1.63%	12.79%	7.8221	0.00800	4.60%
035.05	4	4	0.38750	0.02398	0.38750	0.02398	0.00848	6.19%	0.02157	0.01482	0.02617	5.57%	3.82%	6.75%	1.7662	0.01850	4.61%
035.31	20	17	0.40425	0.02754	0.39638	0.01788	0.00290	4.51%	0.02712	0.00675	0.02795	6.71%	1.67%	6.91%	4.1379	0.00892	4.60%
035.32	2	0															
035.41	33	31	0.40040	0.02128	0.40106	0.02376	0.00297	5.93%	0.01984	0.01088	0.02263	4.95%	2.72%	5.65%	2.0793	0.01120	4.59%
035.42	15	14	0.40210	0.01860	0.39963	0.02303	0.00420	5.76%	0.01592	0.01359	0.02093	3.96%	3.38%	5.21%	1.5406	0.01431	4.59%
035.43	14	13	0.39373	0.02318	0.39875	0.02068	0.00391	5.19%	0.02154	0.01211	0.02471	5.47%	3.08%	6.28%	2.0406	0.01467	4.59%
035.52	1		0.35500														
035.53	2	0															
035.99	3	3	0.57000	0.30004	0.57000	0.30004	0.12249	52.64%	0.29968	0.02082	0.30040	52.58%	3.65%	52.70%	14.431	0.02000	4.35%
036.00	1		0.07800														
036.04	5	5	0.87487	0.03394	0.87487	0.03394	0.01073	3.88%	0.00619	0.04719	0.04759	0.71%	5.39%	5.44%	1.0086	0.04866	4.08%
036.42	19	18	0.82235	0.04728	0.81786	0.05452	0.00884	6.67%	0.04490	0.02091	0.04953	5.46%	2.54%	6.02%	2.3692	0.02242	4.12%
036.43	9	8	0.83638	0.03158	0.82716	0.03622	0.00854	4.38%	0.02704	0.02307	0.03554	3.23%	2.76%	4.25%	1.5406	0.02356	4.12%
036.99	2	0															
037.31	6	5	95.027	2.2895	95.027	2.2895	0.72400	2.41%	2.1656	1.0508	2.4070	2.28%	1.11%	2.53%	2.2907	1.1460	8.06%
037.32	2	0															
037.33	1		105.05														
037.41	21	19	90.528	8.2018	90.781	7.9845	1.2625	8.80%	8.1430	1.3869	8.2602	8.99%	1.53%	9.12%	5.9560	1.7941	8.12%
037.42	13	12	92.788	9.2155	93.348	7.4005	1.5106	7.93%	9.0777	2.2456	9.3513	9.78%	2.42%	10.08%	4.1643	2.8083	8.08%
037.43	17	15	91.785	6.8986	91.307	4.7915	0.84702	5.25%	6.7349	2.1125	7.0584	7.34%	2.30%	7.69%	3.3412	2.2419	8.11%
037.44	1		101.95														
037.52	1		63.500														
037.53	2	0															
037.99	3	3	92.000	8.6747	92.000	8.6747	3.5414	9.43%	8.5489	2.0817	8.7987	9.29%	2.26%	9.56%	4.2267	2.6667	8.10%
038.34	1		1.4900														
038.41	2	0															
038.42	3	2	0.00000	0.00000	0.22500	0.38971	0.15910	173.21%	0.00000	0.00000	0.00000					0.00333	20.02%
038.43	7	6	0.41555	0.22539	0.42833	0.16659	0.04452	38.89%	0.22289	0.04738	0.22787	53.64%	11.40%	54.83%	4.8097	0.09097	18.17%
038.52	2	0															
038.53	5	4	0.75850	0.01085	0.78880	0.06840	0.02163	8.67%		0.03623			4.78%			0.04584	16.58%
040.52	1		1.4000														
040.53	1		1.6961														

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041.41	1		0.55350														
041.43	1		0.00000														
041.53	1		0.23600														
042.00	2	0															
042.01	1		0.48000														
057.01	2	0															
101.01	1		487.50														
102.01	1		46.850														
103.01	1		2.3500														
104.00	1		4.0400														
104.03	1		5.1500														
105.00	1		0.00000														
106.01	1		0.82000														
106.02	5	4	0.63125	0.74016	0.73410	0.68101	0.21535	92.77%	0.73989	0.02850	0.74044	117.21%	4.52%	117.30%	25.976	0.07780	42.08%
107.00	1		87.400														
108.01	1		0.20000														
108.99	1		0.00000														
109.02	4	3	0.28333	0.49075	1.3688	2.2075	0.78047	161.28%	0.49075	0.00000	0.49075	173.21%	0.00%	173.21%		0.40250	15.26%
113.01	1		0.61250														
114.01	1		0.25100														
120.00	15	13	4.5519	0.15561	4.5806	0.12700	0.02400	2.77%	0.15232	0.04496	0.15882	3.35%	0.99%	3.49%	3.5326	0.05725	3.18%
120.01	2	0															
120.02	2	0															
120.05	4	4	4.3400	0.31707	4.3400	0.31707	0.11210	7.31%	0.25582	0.26491	0.36827	5.89%	6.10%	8.49%	1.3902	0.29250	3.21%
120.99	1		4.8150														
121.00	15	13	4.2859	0.09567	4.2814	0.09637	0.01759	2.25%	0.09134	0.04023	0.09981	2.13%	0.94%	2.33%	2.4811	0.05387	3.21%
121.01	2	0															
121.02	2	0															
121.05	4	4	4.4343	0.20070	4.4343	0.20070	0.07096	4.53%	0.16832	0.15459	0.22854	3.80%	3.49%	5.15%	1.4784	0.20900	3.20%
121.99	1		4.8200														
122.00	15	14	5.7792	0.13694	5.7481	0.12701	0.02319	2.21%	0.12656	0.07396	0.14659	2.19%	1.28%	2.54%	1.9819	0.08358	3.07%
122.01	2	0															
122.02	2	0															
122.05	4	3	5.4463	0.10193	5.6689	0.45280	0.16009	7.99%	0.04754	0.12751	0.13609	0.87%	2.34%	2.50%	1.0672	0.43125	3.08%
122.99	1		5.4650														
124.00	15	15	1.3866	0.13869	1.3941	0.13926	0.02543	9.99%	0.13737	0.02704	0.14000	9.91%	1.95%	10.10%	5.1783	0.03001	3.80%
124.01	1		1.6180														
124.02	2	0															
124.05	2	0															
124.99	2	0															
125.00	15	15	7.9273	0.37672	7.8832	0.34071	0.06221	4.32%	0.37097	0.09277	0.38239	4.68%	1.17%	4.82%	4.1221	0.09733	2.93%
125.01	2	0															
125.02	2	0															

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125.05	4	4	7.5281	0.38163	7.5281	0.38163	0.13493	5.07%	0.19935	0.46023	0.50154	2.65%	6.11%	6.66%	1.0898	0.48625	2.95%
125.99	1		8.2600														
126.00	15	14	5.5615	0.20505	5.5926	0.24148	0.04409	4.32%	0.19111	0.10508	0.21809	3.44%	1.89%	3.92%	2.0754	0.09945	3.09%
126.01	2	0															
126.02	2	0															
126.05	4	4	5.6488	0.37575	5.6488	0.37575	0.13285	6.65%	0.31458	0.29061	0.42827	5.57%	5.14%	7.58%	1.4737	0.36200	3.08%
126.99	1		6.2400														
127.00	15	13	2.1728	0.09919	2.1611	0.07253	0.01371	3.36%	0.09815	0.02031	0.10023	4.52%	0.93%	4.61%	4.9339	0.02637	3.56%
127.01	1		2.0420														
127.02	2	0															
127.05	4	4	2.1268	0.11217	2.1268	0.11217	0.03966	5.27%	0.10826	0.04151	0.11595	5.09%	1.95%	5.45%	2.7935	0.05700	3.57%
127.99	1		2.1050														
128.00	15	15	2.4014	0.09549	2.3961	0.05243	0.00957	2.19%	0.08297	0.06686	0.10656	3.45%	2.78%	4.44%	1.5936	0.07112	3.51%
128.01	2	0															
128.02	2	0															
128.05	4	4	2.3939	0.21677	2.3939	0.21677	0.07664	9.06%	0.20664	0.09259	0.22644	8.63%	3.87%	9.46%	2.4456	0.10775	3.51%
128.99	1		2.4300														
129.00	15	14	5.9264	0.20067	5.9323	0.20329	0.03712	3.43%	0.19398	0.07270	0.20715	3.27%	1.23%	3.50%	2.8493	0.09137	3.06%
129.01	2	0															
129.02	2	0															
129.05	4	4	5.7534	0.09097	5.7534	0.09097	0.03216	1.58%		0.23972			4.17%			0.28625	3.07%
129.99	1		6.3050														
130.00	15	14	4.0295	0.15078	4.0271	0.09876	0.01866	2.45%	0.14963	0.02631	0.15193	3.71%	0.65%	3.77%	5.7742	0.03016	3.24%
130.01	2	0															
130.02	2	0															
130.05	5	4	3.9491	0.09123	3.9895	0.11997	0.03794	3.01%	0.07480	0.07387	0.10512	1.89%	1.87%	2.66%	1.4232	0.18860	3.25%
130.99	1		4.0450														
131.00	16	15	0.84270	0.10438	0.85946	0.07446	0.01359	8.66%	0.10382	0.01514	0.10492	12.32%	1.80%	12.45%	6.9313	0.01729	4.09%
131.01	1		0.92800														
131.02	2	0															
131.05	3	3	1.0752	0.11835	1.0752	0.11835	0.04831	11.01%	0.11817	0.00917	0.11852	10.99%	0.85%	11.02%	12.919	0.01033	3.96%
131.99	3	3	0.85083	0.09694	0.85083	0.09694	0.03958	11.39%	0.09353	0.03605	0.10024	10.99%	4.24%	11.78%	2.7807	0.04433	4.10%
132.00	15	14	3.2977	0.12793	3.2986	0.09369	0.01711	2.84%	0.12579	0.03290	0.13003	3.81%	1.00%	3.94%	3.9518	0.04228	3.34%
132.01	2	0															
132.02	2	0															
132.05	4	4	3.3134	0.08764	3.3134	0.08764	0.03099	2.65%		0.13593			4.10%			0.15775	3.34%
132.99	1		3.4350														
133.00	15	13	4.7366	0.23349	4.7492	0.18953	0.03460	3.99%	0.22986	0.05802	0.23707	4.85%	1.22%	5.01%	4.0860	0.10293	3.16%
133.05	4	4	4.7486	0.47529	4.7486	0.47529	0.16804	10.01%	0.39783	0.36779	0.54179	8.38%	7.75%	11.41%	1.4731	0.47575	3.16%
133.99	2	0															
134.00	15	15	4.1161	0.24484	4.0922	0.23584	0.04306	5.76%	0.23799	0.08136	0.25151	5.78%	1.98%	6.11%	3.0914	0.08540	3.24%
134.01	2	0															
134.02	2	0															

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134.05	4	4	4.0719	0.35927	4.0719	0.35927	0.12702	8.82%	0.29848	0.28277	0.41116	7.33%	6.94%	10.10%	1.4540	0.35325	3.24%
134.99	1		4.3350														
135.00	15	15	2.8651	0.15986	2.8379	0.09319	0.01701	3.28%	0.15701	0.04244	0.16265	5.48%	1.48%	5.68%	3.8322	0.04413	3.42%
135.01	2	0															
135.02	2	0															
135.05	4	4	2.7988	0.21520	2.7988	0.21520	0.07608	7.69%	0.18659	0.15163	0.24043	6.67%	5.42%	8.59%	1.5856	0.15950	3.43%
135.99	1		2.9400														
136.00	3	3	0.80597	0.14109	0.80597	0.14109	0.05760	17.51%	0.13975	0.02751	0.14243	17.34%	3.41%	17.67%	5.1767	0.03580	4.13%
136.01	5	5	0.71860	0.08276	0.71860	0.08276	0.02617	11.52%	0.07964	0.03185	0.08577	11.08%	4.43%	11.94%	2.6933	0.03040	4.20%
136.02	2	0															
136.03	3	3	0.71133	0.05320	0.71133	0.05320	0.02172	7.48%	0.05309	0.00483	0.05331	7.46%	0.68%	7.49%	11.036	0.00600	4.21%
136.99	1		0.50500														
137.00	12	10	1.9689	0.07143	1.9581	0.04763	0.01015	2.43%	0.06854	0.02845	0.07421	3.48%	1.45%	3.77%	2.6083	0.03105	3.62%
137.01	2	0															
137.02	2	0															
137.05	4	4	1.9665	0.07995	1.9665	0.07995	0.02827	4.07%	0.06780	0.05993	0.09049	3.45%	3.05%	4.60%	1.5099	0.06950	3.61%
137.99	1		2.0150														
138.00	15	15	4.1351	0.22094	4.1532	0.18477	0.03373	4.45%	0.21010	0.09667	0.23128	5.08%	2.34%	5.59%	2.3925	0.10177	3.23%
138.01	2	0															
138.02	2	0															
138.05	4	4	4.1908	0.48456	4.1908	0.48456	0.17132	11.56%	0.47122	0.15968	0.49754	11.24%	3.81%	11.87%	3.1158	0.20800	3.22%
138.99	1		4.4950														
139.00	3	3	0.12467	0.01550	0.12467	0.01550	0.00633	12.44%	0.01148	0.01473	0.01868	9.21%	11.82%	14.98%	1.2679	0.01713	5.47%
139.01	1		0.16550														
139.02	2	0															
139.05	1		0.14000														
139.99	1		0.07500														
160.99	5	0			0.00000	0.00000	0.00000									0.00000	#DIV/0!
161.99	2	0															
162.99	5	0			0.00000	0.00000	0.00000									0.00000	#DIV/0!
163.99	5	0			0.00000	0.00000	0.00000									0.00000	#DIV/0!
164.99	5	4	0.00000	0.00000	0.01700	0.03801	0.01202	223.61%	0.00000	0.00000	0.00000					0.00200	7.38%
165.99	5	4	0.00000	0.00000	0.02370	0.05299	0.01676	223.61%	0.00000	0.00000	0.00000					0.00020	7.02%
166.99	1		0.00000														
167.99	1		0.00000														
200.99	1		0.09000														
210.99	1		1.6000														
357.01	1		17,140														
357.02	1		229.00														
400.01	4	4	0.69864	0.01346	0.69864	0.01346	0.00476	1.93%	0.00967	0.01325	0.01640	1.38%	1.90%	2.35%	1.2379	0.01283	#DIV/0!
516.00	3	3	0.14783	0.04526	0.14783	0.04526	0.01848	30.62%	0.04061	0.02826	0.04948	27.47%	19.12%	33.47%	1.7506	0.03700	21.33%
516.42	1		0.05050														
516.43	2	0															

Method Code	Total # Labs Submitting	# Labs Included In Method Calcs	Mean	SD	Assigned Value - Robust Mean	AAFCO CS ffp - Robust sd	Uncertainty (U) - Robust	% RSD - Robust	Between Labs sL	Within Labs sr	Reproducibility sR	Between Labs %RSD	Within Labs %/rsd	Reproducibility %RSD	sR/sr	Average Range (R-bar)	Horwitz %RSD
516.52	2	0															
516.53	6	5	0.11398	0.02654	0.12144	0.03396	0.00980	27.97%	0.02311	0.01846	0.02957	20.27%	16.19%	25.95%	1.6024	0.02083	21.97%
518.31	1		0.04000														
518.34	3	3	0.04713	0.04442	0.04713	0.04442	0.01814	94.25%	0.04361	0.01198	0.04522	92.52%	25.42%	95.95%	3.7743	0.01227	25.33%
518.41	3	3	0.10567	0.08195	0.10567	0.08195	0.03346	77.56%	0.08144	0.01291	0.08246	77.08%	12.22%	78.04%	6.3873	0.01333	22.44%
518.43	3	2	0.00000	0.00000	0.01160	0.02009	0.00820	173.21%	0.00000	0.00000	0.00000					0.00347	31.28%
518.52	2	0															
518.53	5	4	0.02065	0.00032	0.01982	0.00188	0.00059	9.47%		0.00177			8.55%			0.00196	28.86%
520.31	2	0															
520.41	3	2	0.91225	0.30158	5.7248	8.3384	3.4041	145.65%	0.30059	0.03453	0.30257	32.95%	3.78%	33.17%	8.7636	1.5267	12.30%
520.43	3	2	0.66750	0.94399	0.90550	0.78453	0.32028	86.64%	0.94382	0.02500	0.94415	141.40%	3.75%	141.45%	37.766	0.16187	16.24%
520.52	1		0.74000														
520.53	4	3	1.1128	0.11184	1.4712	0.72243	0.25542	49.11%	0.09209	0.08974	0.12858	8.28%	8.06%	11.55%	1.4329	0.11750	15.09%
520.99	1		2.9475														
526.31	1		0.22500														
526.34	4	4	0.05148	0.05062	0.05148	0.05062	0.01790	98.33%	0.04981	0.01273	0.05141	96.77%	24.74%	99.88%	4.0378	0.01260	25.00%
526.41	2	0															
526.43	3	2	0.00000	0.00000	0.13973	0.24203	0.09881	173.21%	0.00000	0.00000	0.00000					0.08473	21.51%
526.52	2	0															
526.53	5	5	0.26950	0.03145	0.26950	0.03145	0.00995	11.67%	0.02908	0.01695	0.03366	10.79%	6.29%	12.49%	1.9855	0.02148	19.49%
529.00	1		0.00000														
529.99	5	4	3.2325	5.8175	7.5060	10.803	3.4161	143.92%	5.8030	0.57983	5.8319	179.52%	17.94%	180.41%	10.058	1.1160	11.81%
539.31	1		0.84500														
539.34	1		1.1350														
539.41	1		5.4500														
539.43	2	0															
539.52	1		2.3000														
539.53	4	4	1.0604	0.44639	1.0604	0.44639	0.15782	42.10%	0.44031	0.10382	0.45239	41.52%	9.79%	42.66%	4.3575	0.11480	15.86%
600.01	1		0.55000														
600.11	1		7.3500														
600.20	1		3.5000														
640.01	1		71.100														