

AAFCO Check Sample Program
All Methods Report



AAFCO
Check Sample Program



Proficiency For Individual Methods
Sample # 201529
Calf Feed, Medicated
Regular Program

Labs Reporting: 219
Issue Date : 10/31/2015

Method Code	Total # Labs Submitting	# Labs in Method Precision 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		0.40000														
001.00	9	6	9.0238	0.50063	8.9775	0.79646	0.19911	8.87%	0.49969	0.04333	0.50157	5.54%	0.48%	5.56%	11.575	0.13849	2.87%
001.03	13	12	9.1804	0.13520	9.1907	0.13403	0.02736	1.46%	0.13487	0.01339	0.13553	1.47%	0.15%	1.48%	10.125	0.01417	2.86%
001.05	1		9.0400														
001.07	39	35	9.1452	0.29810	9.1889	0.32113	0.03733	3.49%	0.28648	0.11656	0.30928	3.13%	1.27%	3.38%	2.6534	0.11222	2.86%
001.08	3	3	9.2083	0.11094	9.2083	0.11094	0.06405	1.20%	0.09037	0.09101	0.12826	0.98%	0.99%	1.39%	1.4092	0.11000	2.86%
001.99	16	12	8.7933	0.75818	8.9863	0.46215	0.08438	5.14%	0.75737	0.04967	0.75900	8.61%	0.56%	8.63%	15.282	0.10933	2.87%
002.00	4	4	19.974	0.21975	19.974	0.21975	0.10987	1.10%	0.19322	0.14803	0.24340	0.97%	0.74%	1.22%	1.6443	0.19250	2.24%
002.01	13	12	19.738	0.29477	19.729	0.27983	0.05488	1.42%	0.29275	0.04868	0.29677	1.48%	0.25%	1.50%	6.0968	0.05269	2.25%
002.02	3	3	19.800	0.34272	19.800	0.34272	0.19787	1.73%	0.33640	0.09268	0.34893	1.70%	0.47%	1.76%	3.7650	0.11053	2.25%
002.04	5	5	19.533	0.33079	19.533	0.33079	0.14793	1.69%	0.32254	0.10378	0.33883	1.65%	0.53%	1.73%	3.2649	0.14200	2.26%
002.05	39	35	19.699	0.22133	19.693	0.23650	0.02713	1.20%	0.21475	0.07577	0.22772	1.09%	0.38%	1.16%	3.0056	0.08911	2.25%
002.06	135	127	20.113	0.31269	20.116	0.30857	0.01899	1.53%	0.29704	0.13813	0.32759	1.48%	0.69%	1.63%	2.3715	0.15248	2.23%
002.08	3	3	19.836	0.44590	19.836	0.44590	0.25744	2.25%	0.44467	0.04681	0.44712	2.24%	0.24%	2.25%	9.5519	0.05507	2.25%
002.10	2	0															
002.11	7	6	20.426	0.66798	20.443	0.72716	0.20991	3.56%	0.66364	0.10744	0.67228	3.25%	0.53%	3.29%	6.2571	0.12383	2.21%
002.99	4	4	18.739	1.6680	18.739	1.6680	0.83402	8.90%	1.6652	0.13752	1.6709	8.89%	0.73%	8.92%	12.150	0.18750	2.31%
003.00	14	13	3.8447	0.36760	3.8279	0.32065	0.06060	8.38%	0.36077	0.09973	0.37430	9.38%	2.59%	9.74%	3.7530	0.12900	3.27%
003.01	2	0															
003.06	18	17	3.5629	0.18121	3.5845	0.18873	0.03146	5.27%	0.17754	0.05129	0.18480	4.98%	1.44%	5.19%	3.6028	0.05806	3.30%
003.09	21	18	3.7622	0.16195	3.7660	0.13143	0.02078	3.49%	0.15876	0.04525	0.16508	4.22%	1.20%	4.39%	3.6479	0.05610	3.28%
003.10	35	31	3.3764	0.13482	3.3573	0.14318	0.01736	4.26%	0.12119	0.08353	0.14718	3.59%	2.47%	4.36%	1.7621	0.10265	3.33%
003.11	7	6	3.5971	0.44996	3.5664	0.31600	0.08445	8.86%	0.44947	0.02949	0.45044	12.50%	0.82%	12.52%	15.274	0.05310	3.30%
003.12	8	7	3.4786	0.13174	3.4786	0.14940	0.03993	4.29%	0.13139	0.01363	0.13209	3.78%	0.39%	3.80%	9.6930	0.01714	3.32%
003.13	11	11	3.5222	0.26041	3.5141	0.15988	0.03409	4.55%	0.25946	0.03131	0.26135	7.37%	0.89%	7.42%	8.3472	0.03509	3.31%
003.14	40	36	3.5807	0.26609	3.5638	0.29395	0.03328	8.25%	0.25153	0.12277	0.27989	7.02%	3.43%	7.82%	2.2797	0.15282	3.30%
003.99	4	3	4.1000	1.6878	4.1000	1.6878	0.97448	41.17%	1.6737	0.30827	1.7019	40.82%	7.52%	41.51%	5.5206	0.30000	3.23%
004.00	23	23	13.132	0.74535	13.148	0.65072	0.09594	4.95%	0.72095	0.26750	0.76897	5.49%	2.04%	5.86%	2.8747	0.28567	2.71%
004.01	2	0															
004.03	6	6	12.895	2.1604	13.516	1.1245	0.32463	8.32%	2.1492	0.31023	2.1715	16.67%	2.41%	16.84%	6.9997	0.32648	2.70%
004.06	34	32	13.028	0.60044	12.990	0.60754	0.07368	4.68%	0.59497	0.11431	0.60586	4.57%	0.88%	4.65%	5.2999	0.12121	2.72%
004.07	60	57	12.761	0.61399	12.777	0.60489	0.05568	4.73%	0.59320	0.22403	0.63409	4.65%	1.76%	4.97%	2.8304	0.24566	2.73%

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004.11	7	6	10.588	2.3370	10.672	2.4323	0.65005	22.79%	2.3357	0.10907	2.3383	22.06%	1.03%	22.08%	21.439	0.20861	2.80%
004.99	2	0															
005.00	101	92	6.4809	0.23691	6.5030	0.20009	0.01429	3.08%	0.23239	0.06513	0.24134	3.59%	1.00%	3.72%	3.7058	0.07960	3.02%
005.05	33	30	6.7168	0.10443	6.7127	0.11473	0.01434	1.71%	0.10124	0.03624	0.10753	1.51%	0.54%	1.60%	2.9668	0.04122	3.00%
005.11	6	5	7.1896	1.3281	7.6247	1.8097	0.52242	23.73%	1.3276	0.05313	1.3286	18.47%	0.74%	18.48%	25.006	0.09758	2.95%
005.99	12	11	6.6782	0.19476	6.6947	0.18481	0.03940	2.76%	0.18865	0.06842	0.20068	2.82%	1.02%	3.01%	2.9329	0.06545	3.00%
006.00	1		3.7525														
006.01	2	0															
006.99	2	0															
008.02	15	12	17.961	0.46684	17.945	0.52471	0.09916	2.92%	0.45522	0.14636	0.47817	2.53%	0.81%	2.66%	3.2670	0.28204	2.36%
008.05	1		17.650														
008.08	33	32	16.956	1.0525	16.948	1.1758	0.14698	6.94%	1.0308	0.30058	1.0737	6.08%	1.77%	6.33%	3.5722	0.31848	2.43%
008.99	3	3	16.662	1.9555	16.662	1.9555	1.1290	11.74%	1.9552	0.04983	1.9559	11.73%	0.30%	11.74%	39.248	0.05667	2.45%
009.04	1		32.230														
009.07	11	11	33.802	1.9149	33.662	1.8710	0.39889	5.56%	1.9046	0.28004	1.9251	5.63%	0.83%	5.70%	6.8743	0.32875	1.72%
009.09	36	34	31.783	1.2687	31.853	1.4242	0.17022	4.47%	1.2429	0.35980	1.2939	3.91%	1.13%	4.07%	3.5962	0.40108	1.77%
009.99	4	4	31.771	2.3809	31.771	2.3809	1.1904	7.49%	2.3802	0.07738	2.3815	7.49%	0.24%	7.50%	30.777	0.09250	1.77%
010.03	3	3	9.2350	0.09000	9.2350	0.09000	0.05196	0.97%		0.15116			1.64%		0.19000	2.86%	
010.11	7	6	9.4439	0.64060	9.3075	0.49217	0.14208	5.29%	0.64046	0.01905	0.64074	6.78%	0.20%	6.78%	33.632	0.02365	2.86%
010.99	20	18	9.2536	0.49296	9.2724	0.36471	0.05916	3.93%	0.48958	0.08146	0.49631	5.29%	0.88%	5.36%	6.0925	0.10158	2.86%
011.01	81	74	10.173	0.44216	10.179	0.42794	0.03426	4.20%	0.43863	0.07878	0.44565	4.31%	0.77%	4.38%	5.6568	0.10132	2.82%
011.02	3	3	9.9967	0.45004	9.9967	0.45004	0.25983	4.50%	0.44279	0.11372	0.45717	4.43%	1.14%	4.57%	4.0199	0.12000	2.83%
011.99	4	4	9.6525	0.16998	9.6525	0.16998	0.08499	1.76%	0.16738	0.04183	0.17253	1.73%	0.43%	1.79%	4.1243	0.04500	2.84%
012.00	11	10	14.799	0.65188	14.747	0.71365	0.15215	4.84%	0.63321	0.21907	0.67003	4.28%	1.48%	4.53%	3.0586	0.20727	2.60%
012.01	7	7	12.537	0.82693	12.492	0.84060	0.22466	6.73%	0.77015	0.42587	0.88005	6.14%	3.40%	7.02%	2.0665	0.41030	2.74%
012.02	2	0															
012.03	3	3	12.609	1.3873	12.609	1.3873	0.80094	11.00%	1.3830	0.15445	1.3916	10.97%	1.22%	11.04%	9.0100	0.21803	2.73%
012.04	4	4	13.421	1.8818	13.421	1.8818	0.94089	14.02%	1.8692	0.30686	1.8943	13.93%	2.29%	14.11%	6.1730	0.36250	2.71%
012.11	6	6	17.115	1.6648	17.115	1.8879	0.54498	11.03%	1.6595	0.18700	1.6700	9.70%	1.09%	9.76%	8.9308	0.22208	2.42%
013.00	17	15	4.4752	0.45333	4.4858	0.46689	0.08007	10.41%	0.45063	0.06983	0.45601	10.07%	1.56%	10.19%	6.5305	0.13777	3.19%
013.02	23	21	5.1201	0.44279	5.0624	0.47286	0.06972	9.34%	0.41696	0.21074	0.46719	8.14%	4.12%	9.12%	2.2170	0.25370	3.13%
013.08	1		2.3250														
013.10	8	8	4.3824	0.47055	4.3392	0.43290	0.10823	9.98%	0.46142	0.13044	0.47951	10.53%	2.98%	10.94%	3.6760	0.14021	3.21%
013.12	1		4.0700														
013.13	5	5	5.0962	0.50417	5.0962	0.50417	0.22547	9.89%	0.49953	0.09649	0.50877	9.80%	1.89%	9.98%	5.2728	0.11800	3.13%
015.41	5	5	54.636	6.9662	54.636	6.9662	3.1154	12.75%	6.9227	1.1002	7.0095	12.67%	2.01%	12.83%	6.3710	1.3771	8.76%
015.42	1		65.200														
015.43	4	4	60.593	11.428	60.593	11.428	5.7139	18.86%	11.273	2.6516	11.581	18.60%	4.38%	19.11%	4.3673	2.9758	8.63%
015.53	1		69.550														
017.41	2	0															
017.42	4	3	9.7192	0.26472	9.7192	0.26472	0.15284	2.72%	0.22266	0.20249	0.30096	2.29%	2.08%	3.10%	1.4863	0.76028	11.36%
017.43	4	3	10.478	0.50141	10.478	0.50141	0.28949	4.79%	0.50120	0.02041	0.50161	4.78%	0.19%	4.79%	24.574	0.09500	11.23%
019.00	21	19	0.92089	0.04174	0.92520	0.04714	0.00727	5.10%	0.04070	0.01306	0.04275	4.42%	1.42%	4.64%	3.2729	0.01565	4.05%

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019.03	1		1.0006														
019.08	9	9	0.96442	0.08337	0.95156	0.06094	0.01436	6.40%	0.08303	0.01058	0.08370	8.61%	1.10%	8.68%	7.9098	0.01230	4.03%
019.09	1		0.95850														
019.31	26	23	0.91649	0.03906	0.91606	0.03666	0.00529	4.00%	0.03738	0.01601	0.04067	4.08%	1.75%	4.44%	2.5392	0.01848	4.05%
019.32	6	5	0.91120	0.03349	0.91546	0.03490	0.01007	3.81%	0.03347	0.00170	0.03351	3.67%	0.19%	3.68%	19.741	0.00330	4.05%
019.41	37	33	0.91380	0.04561	0.92015	0.04398	0.00518	4.78%	0.04493	0.01112	0.04628	4.92%	1.22%	5.07%	4.1609	0.01751	4.05%
019.42	21	19	0.95525	0.06139	0.94809	0.06889	0.01089	7.27%	0.05944	0.02172	0.06329	6.22%	2.27%	6.62%	2.9134	0.02659	4.03%
019.43	15	14	0.94871	0.03110	0.93884	0.02063	0.00377	2.20%	0.02942	0.01428	0.03270	3.10%	1.51%	3.45%	2.2896	0.01648	4.04%
019.44	2	0															
019.52	1		0.88015														
019.53	2	0															
019.99	5	4	0.91250	0.08302	0.91250	0.08302	0.04151	9.10%	0.08287	0.00707	0.08317	9.08%	0.77%	9.11%	11.762	0.01600	4.06%
021.31	3	3	1.5167	0.41932	1.5167	0.41932	0.24210	27.65%	0.41433	0.09129	0.42426	27.32%	6.02%	27.97%	4.6476	0.10000	15.02%
021.34	1		1.4250														
021.41	2	0															
021.42	2	0															
021.43	4	4	1.2845	0.10098	1.2845	0.10098	0.05049	7.86%	0.09368	0.05332	0.10779	7.29%	4.15%	8.39%	2.0215	0.06085	15.41%
021.52	2	0															
021.53	3	2	0.82120	0.12191	0.82120	0.12191	0.08620	14.84%	0.12187	0.00400	0.12194	14.84%	0.49%	14.85%	30.485	0.08933	16.48%
022.31	11	10	20.587	1.8672	20.587	2.1174	0.47347	10.29%	1.8392	0.45564	1.8948	8.93%	2.21%	9.20%	4.1586	0.44900	10.15%
022.32	4	2	20.895	0.80610	20.895	0.80610	0.57000	3.86%	0.71636	0.52273	0.88681	3.43%	2.50%	4.24%	1.6965	1.3200	10.12%
022.33	2	0															
022.41	27	26	19.326	1.4448	19.287	1.4924	0.20309	7.74%	1.2785	0.95184	1.5939	6.62%	4.93%	8.25%	1.6745	1.0047	10.25%
022.42	21	18	19.768	2.2454	19.662	2.0411	0.32272	10.38%	2.1429	0.94853	2.3434	10.84%	4.80%	11.85%	2.4706	0.87340	10.22%
022.43	13	12	19.276	1.4464	19.271	1.6303	0.33278	8.46%	1.4103	0.45436	1.4817	7.32%	2.36%	7.69%	3.2610	0.43750	10.25%
022.44	1		18.200														
022.52	1		20.500														
022.53	2	0															
022.99	2	0															
025.31	13	13	229.96	16.940	231.18	12.907	2.5312	5.58%	16.509	5.3682	17.360	7.18%	2.33%	7.55%	3.2339	5.6762	7.05%
025.32	2	0															
025.33	1		190.80														
025.41	30	26	209.71	11.985	209.64	14.424	1.8940	6.88%	11.805	2.9276	12.163	5.63%	1.40%	5.80%	4.1544	4.4984	7.16%
025.42	19	17	196.39	56.551	210.34	17.781	2.9634	8.45%	56.468	4.3418	56.634	28.75%	2.21%	28.84%	13.044	5.1846	7.15%
025.43	13	13	208.50	15.476	207.89	16.126	3.1626	7.76%	13.378	11.004	17.322	6.42%	5.28%	8.31%	1.5741	11.085	7.16%
025.52	2	0															
025.53	1		193.80														
025.99	2	0															
027.31	17	14	0.31832	0.01079	0.32109	0.01162	0.00205	3.62%	0.01054	0.00326	0.01103	3.31%	1.03%	3.46%	3.3786	0.00346	4.75%
027.32	5	5	0.32490	0.00889	0.32490	0.00889	0.00398	2.74%	0.00887	0.00101	0.00892	2.73%	0.31%	2.75%	8.8607	0.00088	4.74%
027.33	1		0.31000														
027.41	29	25	0.33028	0.01289	0.32909	0.01423	0.00190	4.32%	0.01153	0.00816	0.01413	3.49%	2.47%	4.28%	1.7303	0.00950	4.73%
027.42	20	18	0.33174	0.02011	0.32911	0.02276	0.00369	6.91%	0.01824	0.01195	0.02181	5.50%	3.60%	6.57%	1.8248	0.01300	4.73%

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027.43	12	11	0.33155	0.01548	0.32885	0.01982	0.00405	6.03%	0.01464	0.00712	0.01628	4.41%	2.15%	4.91%	2.2860	0.00723	4.73%
027.44	2	0															
027.52	1		0.30855														
027.53	2	0															
027.99	3	3	0.31500	0.05000	0.31500	0.05000	0.02887	15.87%	0.04907	0.01354	0.05091	15.58%	4.30%	16.16%	3.7598	0.01667	4.76%
028.31	13	13	114.91	5.0377	114.91	5.7128	1.1204	4.97%	4.8594	1.8786	5.2099	4.23%	1.63%	4.53%	2.7733	1.9370	7.83%
028.32	4	2	117.63	1.0253	117.63	1.0253	0.72500	0.87%	0.63246	1.1413	1.3048	0.54%	0.97%	1.11%	1.1433	2.7800	7.81%
028.33	1		117.98														
028.41	29	28	114.69	5.4096	114.80	5.6153	0.75037	4.89%	5.1890	2.1624	5.6215	4.52%	1.89%	4.90%	2.5996	2.3376	7.83%
028.42	21	17	112.59	29.275	119.53	7.2175	1.1708	6.04%	29.230	2.2907	29.320	25.96%	2.03%	26.04%	12.800	2.8504	7.79%
028.43	13	13	116.00	8.5765	115.93	9.5753	1.8779	8.26%	8.3808	2.5763	8.7679	7.23%	2.22%	7.56%	3.4033	2.8862	7.82%
028.44	2	0															
028.52	1		116.00														
028.53	1		121.50														
028.99	2	0															
031.00	2	0															
031.01	53	49	0.72817	0.02335	0.72773	0.02367	0.00232	3.25%	0.02282	0.00698	0.02387	3.13%	0.96%	3.28%	3.4179	0.00818	4.20%
031.02	3	3	0.73160	0.01052	0.73160	0.01052	0.00607	1.44%	0.01004	0.00443	0.01098	1.37%	0.61%	1.50%	2.4789	0.00473	4.19%
031.03	5	5	0.73487	0.02060	0.73487	0.02060	0.00921	2.80%	0.01863	0.01242	0.02239	2.54%	1.69%	3.05%	1.8030	0.01526	4.19%
031.06	1		0.72600														
031.41	37	34	0.73998	0.03111	0.74057	0.03008	0.00354	4.06%	0.02903	0.01579	0.03305	3.92%	2.13%	4.47%	2.0929	0.01669	4.18%
031.42	22	19	0.72440	0.05186	0.73783	0.05242	0.00809	7.10%	0.04919	0.02322	0.05440	6.79%	3.21%	7.51%	2.3427	0.07523	4.19%
031.43	15	13	0.73948	0.02431	0.74190	0.02840	0.00537	3.83%	0.02348	0.00891	0.02511	3.17%	1.21%	3.40%	2.8176	0.01321	4.18%
031.44	2	0															
031.52	1		0.65195														
031.53	2	0															
031.99	5	5	0.72800	0.02361	0.72800	0.02361	0.01056	3.24%	0.02068	0.01612	0.02622	2.84%	2.21%	3.60%	1.6261	0.02000	4.20%
032.02	2	0															
032.31	22	19	1.2140	0.05521	1.2090	0.06390	0.01010	5.29%	0.05449	0.01257	0.05592	4.49%	1.04%	4.61%	4.4495	0.01333	3.89%
032.32	4	4	1.2361	0.02867	1.2361	0.02867	0.01433	2.32%	0.02761	0.01089	0.02968	2.23%	0.88%	2.40%	2.7253	0.01425	3.87%
032.41	32	29	1.2049	0.05890	1.2122	0.06545	0.00831	5.40%	0.05798	0.01466	0.05980	4.81%	1.22%	4.96%	4.0795	0.01771	3.89%
032.42	22	19	1.2366	0.08608	1.2317	0.05411	0.00835	4.39%	0.07983	0.04556	0.09191	6.46%	3.68%	7.43%	2.0174	0.05364	3.88%
032.43	15	14	1.2378	0.03644	1.2352	0.03448	0.00630	2.79%	0.03327	0.02101	0.03935	2.69%	1.70%	3.18%	1.8731	0.02350	3.87%
032.44	2	0															
032.52	1		1.1544														
032.53	2	0															
032.99	4	4	1.3174	0.04578	1.3174	0.04578	0.02289	3.48%	0.04452	0.01509	0.04701	3.38%	1.15%	3.57%	3.1157	0.01525	3.84%
033.00	27	26	0.50031	0.08686	0.49630	0.08241	0.01121	16.60%	0.08603	0.01693	0.08769	17.20%	3.38%	17.53%	5.1784	0.01907	4.44%
033.01	35	33	0.52121	0.02796	0.52055	0.01686	0.00202	3.24%	0.02721	0.00905	0.02868	5.22%	1.74%	5.50%	3.1691	0.01015	4.41%
033.03	6	5	0.47200	0.03546	0.48124	0.03384	0.00977	7.03%	0.03475	0.01000	0.03616	7.36%	2.12%	7.66%	3.6159	0.01667	4.47%
033.05	3	3	0.56333	0.07974	0.56333	0.07974	0.04604	14.15%	0.07900	0.01528	0.08047	14.02%	2.71%	14.28%	5.2678	0.02000	4.36%
033.99	7	6	0.56777	0.07388	0.54998	0.03920	0.01048	7.13%	0.07291	0.01690	0.07484	12.84%	2.98%	13.18%	4.4284	0.01926	4.38%
034.01	1		0.52900														

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034.04	5	5	0.53380	0.06426	0.53380	0.06426	0.02874	12.04%	0.06358	0.01325	0.06494	11.91%	2.48%	12.17%	4.9008	0.01720	17.58%
034.41	1		0.45300														
034.43	1		0.68005														
034.52	3	2	0.58150	0.04455	0.58150	0.04455	0.03150	7.66%	0.04435	0.00600	0.04475	7.63%	1.03%	7.70%	7.4582	0.04400	17.36%
034.53	6	5	0.61810	0.08498	0.64920	0.12202	0.03523	18.80%	0.08221	0.03045	0.08766	13.30%	4.93%	14.18%	2.8793	0.05450	17.07%
034.99	1		0.55500														
035.01	3	3	0.24350	0.00180	0.24350	0.00180	0.00104	0.74%		0.00358			1.47%			0.00433	4.95%
035.05	2	0															
035.31	18	16	0.25153	0.01580	0.24940	0.01266	0.00211	5.08%	0.01554	0.00406	0.01606	6.18%	1.62%	6.38%	3.9512	0.00541	4.93%
035.32	4	4	0.25728	0.02341	0.25728	0.02341	0.01171	9.10%	0.02324	0.00408	0.02359	9.03%	1.59%	9.17%	5.7791	0.00425	4.91%
035.41	33	32	0.25120	0.01481	0.25117	0.01357	0.00170	5.40%	0.01319	0.00954	0.01628	5.25%	3.80%	6.48%	1.7055	0.00968	4.92%
035.42	18	15	0.24928	0.02199	0.24737	0.01717	0.00294	6.94%	0.02091	0.00963	0.02302	8.39%	3.86%	9.24%	2.3900	0.01125	4.94%
035.43	10	10	0.24355	0.00943	0.24355	0.01069	0.00239	4.39%	0.00868	0.00522	0.01013	3.56%	2.14%	4.16%	1.9398	0.00546	4.95%
035.52	1		0.23760														
035.53	2	0															
035.99	4	4	0.27625	0.12399	0.27625	0.12399	0.06199	44.88%	0.12361	0.01369	0.12437	44.75%	4.96%	45.02%	9.0823	0.01750	4.85%
036.04	6	5	0.46896	0.01952	0.46727	0.01995	0.00576	4.27%	0.01939	0.00317	0.01965	4.13%	0.68%	4.19%	6.1926	0.00513	4.48%
036.42	22	20	0.45811	0.02726	0.45744	0.02668	0.00412	5.83%	0.02679	0.00712	0.02772	5.85%	1.55%	6.05%	3.8913	0.00850	4.50%
036.43	9	8	0.47846	0.02870	0.48099	0.01664	0.00416	3.46%	0.02858	0.00375	0.02882	5.97%	0.78%	6.02%	7.6765	0.00308	4.47%
036.52	1		0.39230														
036.99	2	0															
037.31	14	13	123.32	5.4161	123.93	6.2214	1.1757	5.02%	5.2332	1.9738	5.5931	4.24%	1.60%	4.54%	2.8336	2.7971	7.74%
037.32	3	2	126.30	0.98995	126.30	0.98995	0.70000	0.78%		5.2811			4.18%			4.4667	7.72%
037.33	2	0															
037.41	29	27	124.09	8.5861	123.56	8.6859	1.1607	7.03%	7.9929	4.4350	9.1409	6.44%	3.57%	7.37%	2.0611	4.8406	7.75%
037.42	21	18	118.51	32.810	124.33	15.370	2.4303	12.36%	32.675	4.2012	32.944	27.57%	3.55%	27.80%	7.8417	5.7672	7.74%
037.43	14	13	123.51	8.2471	121.66	5.1323	1.0065	4.22%	7.8286	3.6684	8.6455	6.34%	2.97%	7.00%	2.3568	3.6892	7.77%
037.44	1		121.00														
037.52	1		126.50														
037.53	1		130.50														
037.99	3	3	127.00	6.5000	127.00	6.5000	3.7528	5.12%	5.2042	5.5076	7.5774	4.10%	4.34%	5.97%	1.3758	7.3333	7.72%
038.41	2	0															
038.42	3	3	1.1902	0.13685	1.1902	0.13685	0.07901	11.50%	0.09784	0.13531	0.16698	8.22%	11.37%	14.03%	1.2340	0.13830	15.58%
038.43	5	5	1.2992	0.17233	1.2992	0.17233	0.07707	13.26%	0.16152	0.08495	0.18249	12.43%	6.54%	14.05%	2.1482	0.11092	15.38%
038.53	5	3	1.3538	0.03836	1.3538	0.03836	0.02215	2.83%	0.01793	0.04795	0.05120	1.32%	3.54%	3.78%	1.0677	0.14160	15.28%
040.42	1		18.720														
040.52	1		18.500														
040.53	1		17.171														
041.52	1		0.51000														
041.53	1		0.31650														
042.99	1		0.31500														
051.00	4	4	72.789	4.8980	72.789	4.8980	2.4490	6.73%	4.2938	3.3329	5.4355	5.90%	4.58%	7.47%	1.6309	3.0064	8.39%
051.03	12	10	62.689	8.5287	65.753	10.795	2.2036	16.42%	8.3460	2.4829	8.7075	13.31%	3.96%	13.89%	3.5070	4.3008	8.52%

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051.99	1		71.500														
061.02	11	10	38.954	2.5290	38.507	3.1989	0.68200	8.31%	2.5084	0.45532	2.5494	6.44%	1.17%	6.54%	5.5991	0.47322	9.23%
061.03	7	7	39.142	2.5921	39.142	2.9395	0.78561	7.51%	2.0977	2.1534	3.0063	5.36%	5.50%	7.68%	1.3961	2.3219	9.21%
061.99	3	2	44.425	4.2780	44.425	4.2780	3.0250	9.63%	4.2767	0.15000	4.2793	9.63%	0.34%	9.63%	28.529	4.1000	9.04%
065.00	1		36.200														
065.03	9	7	30.374	1.2586	30.129	1.4897	0.37244	4.94%	1.1691	0.65912	1.3421	3.85%	2.17%	4.42%	2.0362	0.79750	9.58%
065.04	4	4	30.622	0.62277	30.622	0.62277	0.31138	2.03%	0.51409	0.49709	0.71511	1.68%	1.62%	2.34%	1.4386	0.62243	9.56%
065.99	6	6	34.542	3.2222	34.580	3.5899	1.0363	10.38%	3.0850	1.3156	3.3538	8.93%	3.81%	9.71%	2.5492	1.4167	9.39%
067.99	1		0.00000														
079.99	1		0.00000														
091.99	1		0.00000														
092.99	2	0															
101.01	1		792.00														
101.02	1		1,500.0														
102.01	1		73.100														
103.01	1		11.800														
104.00	1		3.5700														
104.03	1		5.0250														
105.00	1		2.8500														
106.00	2	0															
106.01	1		20.600														
106.02	20	19	20.330	4.9207	19.765	5.1093	0.80785	25.85%	4.7820	1.6407	5.0556	23.52%	8.07%	24.87%	3.0814	1.7478	
107.00	1		13.300														
108.01	1		0.00000														
108.02	6	6	4.2800	0.95839	4.3652	0.88958	0.25680	20.38%	0.94379	0.23569	0.97277	22.05%	5.51%	22.73%	4.1273	0.31333	
108.99	1		6.0250														
109.02	18	18	103.58	19.266	105.24	18.839	3.1399	17.90%	19.199	2.2736	19.333	18.54%	2.20%	18.67%	8.5034	2.3813	7.94%
113.01	1		0.76300														
114.01	1		0.26800														
120.00	16	16	0.95929	0.02065	0.96061	0.01888	0.00334	1.97%	0.01863	0.01259	0.02249	1.94%	1.31%	2.34%	1.7857	0.01492	4.02%
120.01	1		0.86900														
120.02	2	0															
120.05	2	0															
120.99	1		1.0025														
121.00	16	14	1.2508	0.03395	1.2461	0.03732	0.00660	2.99%	0.03225	0.01499	0.03556	2.58%	1.20%	2.84%	2.3731	0.02356	3.87%
121.01	1		1.2660														
121.02	2	0															
121.05	2	0															
121.99	1		1.4129														
122.00	16	16	1.5799	0.02145	1.5799	0.02433	0.00430	1.54%	0.01135	0.02575	0.02813	0.72%	1.63%	1.78%	1.0928	0.02802	3.73%
122.01	1		1.3280														
122.02	2	0															
122.05	2	0															

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122.99	1		1.7480														
124.00	16	14	0.33000	0.01868	0.33110	0.01430	0.00261	4.32%	0.01830	0.00526	0.01904	5.55%	1.59%	5.77%	3.6194	0.00613	4.72%
124.01	2	0															
124.02	2	0															
124.99	1		0.24365														
125.00	16	15	3.4420	0.08742	3.4379	0.08722	0.01592	2.54%	0.08298	0.03891	0.09165	2.41%	1.13%	2.66%	2.3555	0.04641	3.32%
125.01	1		3.3610														
125.02	2	0															
125.05	2	0															
125.99	1		3.5648														
126.00	16	15	0.88479	0.01189	0.88629	0.01453	0.00257	1.64%	0.00691	0.01369	0.01534	0.78%	1.55%	1.73%	1.1199	0.01637	4.07%
126.01	1		0.92650														
126.02	2	0															
126.05	2	0															
126.99	1		0.84150														
127.00	16	15	0.49843	0.01741	0.49830	0.01410	0.00257	2.83%	0.01684	0.00625	0.01796	3.38%	1.25%	3.60%	2.8753	0.00595	4.44%
127.01	1		0.50250														
127.02	2	0															
127.05	2	0															
127.99	1		0.52765														
128.00	16	16	0.67695	0.02110	0.67658	0.02317	0.00410	3.42%	0.01856	0.01420	0.02337	2.74%	2.10%	3.45%	1.6462	0.01523	4.24%
128.01	1		0.64350														
128.02	2	0															
128.05	2	0															
128.99	1		0.70950														
129.00	16	15	1.4514	0.02438	1.4478	0.02098	0.00383	1.45%	0.02244	0.01350	0.02619	1.55%	0.93%	1.80%	1.9395	0.01555	3.78%
129.01	1		1.3070														
129.02	2	0															
129.05	2	0															
129.99	1		1.6161														
130.00	16	14	0.81922	0.01950	0.82471	0.02578	0.00456	3.13%	0.01665	0.01435	0.02198	2.03%	1.75%	2.68%	1.5318	0.01952	4.12%
130.01	1		0.78850														
130.02	2	0															
130.05	3	3	0.84167	0.03037	0.84167	0.03037	0.01754	3.61%	0.02901	0.01271	0.03168	3.45%	1.51%	3.76%	2.4913	0.01467	4.10%
130.99	1		0.89355														
131.00	16	14	0.29644	0.01552	0.29661	0.01249	0.00221	4.21%	0.01471	0.00701	0.01629	4.96%	2.36%	5.50%	2.3254	0.01228	4.80%
131.01	1		0.29050														
131.02	2	0															
131.05	1		0.22600														
131.99	1		0.28700														
132.00	16	14	0.86178	0.03285	0.86319	0.03146	0.00574	3.64%	0.03183	0.01147	0.03384	3.69%	1.33%	3.93%	2.9512	0.01579	4.09%
132.01	1		0.82400														
132.02	2	0															

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132.05	2	0															
132.99	1		0.95200														
133.00	16	16	1.1706	0.05155	1.1701	0.04320	0.00764	3.69%	0.04627	0.03215	0.05634	3.95%	2.75%	4.81%	1.7525	0.03183	3.91%
133.05	2	0															
133.99	2	0															
134.00	16	15	0.88113	0.03167	0.87833	0.02317	0.00410	2.64%	0.03021	0.01345	0.03306	3.43%	1.53%	3.75%	2.4583	0.01499	4.08%
134.01	1		0.89400														
134.02	2	0															
134.05	2	0															
134.99	1		1.0119														
135.00	16	16	0.67051	0.01465	0.67056	0.01651	0.00292	2.46%	0.00698	0.01822	0.01951	1.04%	2.72%	2.91%	1.0708	0.01819	4.25%
135.01	1		0.68650														
135.02	2	0															
135.05	2	0															
135.99	1		0.74975														
136.00	4	3	0.24477	0.03951	0.24477	0.03951	0.02281	16.14%	0.03935	0.00497	0.03966	16.08%	2.03%	16.20%	7.9848	0.04570	4.94%
136.01	2	0															
136.02	2	0															
136.03	3	3	0.25650	0.01825	0.25650	0.01825	0.01054	7.11%	0.01820	0.00178	0.01829	7.10%	0.69%	7.13%	10.279	0.00233	4.91%
136.99	2	0															
137.00	10	8	0.58949	0.03659	0.58048	0.04946	0.01166	8.52%	0.03574	0.01109	0.03742	6.06%	1.88%	6.35%	3.3746	0.01312	4.34%
137.01	1		0.59050														
137.02	2	0															
137.05	2	0															
137.99	1		0.65750														
138.00	16	14	0.86898	0.02233	0.86889	0.02265	0.00400	2.61%	0.02026	0.01328	0.02423	2.33%	1.53%	2.79%	1.8239	0.01779	4.09%
138.01	1		0.85550														
138.02	2	0															
138.05	2	0															
138.99	1		0.91920														
139.00	2	0															
139.02	1		0.00000														
160.99	5	5	0.36890	0.21871	0.36890	0.21871	0.09781	59.29%	0.21787	0.02704	0.21954	59.06%	7.33%	59.51%	8.1206	0.02660	4.65%
161.99	1		0.00000														
162.99	5	5	0.39430	0.24911	0.39430	0.24911	0.11140	63.18%	0.24904	0.00791	0.24917	63.16%	2.00%	63.19%	31.518	0.00900	4.60%
163.99	3																
164.99	3	3	0.76550	0.76263	0.76550	0.76263	0.44030	99.62%	0.76260	0.00957	0.76266	99.62%	1.25%	99.63%	79.730	0.01233	4.16%
165.99	5	4	1.3025	0.58093	1.3025	0.58093	0.29046	44.60%	0.58041	0.03450	0.58144	44.56%	2.65%	44.64%	16.852	0.07560	3.84%
166.99	2	0															
167.99	2	0															
361.04	1		44,500														
365.05	1		36,000														
400.01	2	0															

Method Code	Total # Labs Submitting	# Labs in Method Precision 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
400.99	1		0.56100														
516.43	1		0.13735														
516.52	1		0.10000														
516.53	5	5	0.07271	0.01739	0.07271	0.01739	0.00778	23.92%	0.01737	0.00137	0.01742	23.88%	1.88%	23.96%	12.728	0.00170	22.00%
518.41	3	3	0.07775	0.01080	0.07775	0.01080	0.00624	13.89%	0.00760	0.01085	0.01325	9.78%	13.95%	17.04%	1.2212	0.01250	22.00%
518.43	2	0															
518.52	1		0.08300														
518.53	5	4	0.08188	0.00677	0.08188	0.00677	0.00339	8.27%	0.00637	0.00326	0.00715	7.78%	3.98%	8.74%	2.1928	0.00320	22.00%
520.41	2	0															
520.43	2	0															
520.52	1		0.53000														
520.53	4	3	1.2573	0.06753	1.2573	0.06753	0.03899	5.37%		0.44521			35.41%			0.46850	15.45%
520.99	1		3.3990														
526.31	1		1.1000														
526.41	1		0.04000														
526.43	2																
526.52	1		0.18500														
526.53	5	3	0.14337	0.01571	0.14337	0.01571	0.00907	10.96%	0.01567	0.00173	0.01576	10.93%	1.21%	10.99%	9.0995	0.00675	21.43%
529.00	1		0.00000														
529.99	1		5.0000														
539.41	2	0															
539.43	1		2.0688														
539.52	1		1.9450														
539.53	3	3	1.6669	0.33477	1.6669	0.33477	0.19328	20.08%	0.31233	0.17040	0.35579	18.74%	10.22%	21.35%	2.0880	0.20317	14.81%
600.01	2	0															
600.11	1		2.0000														
600.12	1		3.0500														
600.20	1		0.00000														
600.98	1		6.9500														
610.01	1		205.00														
710.99	1		0.00500														
718.99	1		0.00900														
726.99	1		2.3780														
728.99	1		0.16600														
736.99	1		0.00100														
740.99	1		0.00000														
746.99	1		0.00000														
750.99	1		0.00000														
754.99	1		0.17000														
756.99	1		2.3850														