

AAFCO Check Sample Program

Methods Report

Sort by Method

Proficiency For Individual Methods

Sample # 201223

Beef Feedlot special, Medicated



AAFCO

Association of American Feed Control Officials

Method Code	Total # Labs Submitting	# Labs Included in Calculations	Mean	SD	Assigned Value - Robust Mean	AAFCO CS ffp - Robust sd	Uncertainty (U)	% RSD	Between Labs sL	Within Labs sr	Reproducibility sR	Between Labs %RSD	Within Labs %rdsd	Reproducibility %RSD	sR/sr	Average Range (R-bar)
000.01	6	6	12.828	7.8003	13.867	6.7856	1.9588	48.93%	7.7980	0.27188	7.8027	60.79%	2.12%	60.82%	28.700	0.27667
000.02	1		7.2450													
001.00	10	7	9.4857	2.4710	8.9719	1.5002	0.40096	16.72%	2.4660	0.22113	2.4759	26.00%	2.33%	26.10%	11.196	0.18286
001.03	23	23	8.0877	0.49535	8.0251	0.27952	0.04121	3.48%	0.49499	0.02672	0.49571	6.12%	0.33%	6.13%	18.550	0.02765
001.05	1		7.7450													
001.07	39	38	8.3715	0.79316	8.2274	0.35459	0.04067	4.31%	0.78907	0.11382	0.79724	9.43%	1.36%	9.52%	7.0042	0.12052
001.08	4	4	29.439	40.992	29.439	40.992	14.493	139.25%	40.992	0.08269	40.992	139.25%	0.28%	139.25%	495.74	0.09250
001.99	19	16	8.6266	1.1483	8.5994	0.95344	0.16855	11.09%	1.1469	0.08183	1.1498	13.29%	0.95%	13.33%	14.050	0.08438
002.00	7	7	40.685	0.60730	40.697	0.66209	0.17695	1.63%	0.56834	0.30269	0.64392	1.40%	0.74%	1.58%	2.1273	0.29571
002.01	10	9	41.112	1.8181	40.603	0.39369	0.09279	0.97%	1.8170	0.09174	1.8193	4.42%	0.22%	4.43%	19.832	0.09370
002.02	7	7	40.556	0.26940	40.545	0.23542	0.06292	0.58%	0.17530	0.28929	0.33826	0.43%	0.71%	0.83%	1.1693	0.26777
002.03	1		41.030													
002.04	5	5	39.370	2.2965	39.370	2.2965	0.72623	5.83%	2.2951	0.11602	2.2980	5.83%	0.29%	5.84%	19.807	0.14400
002.05	47	46	40.632	0.49690	40.692	0.31388	0.03272	0.77%	0.48753	0.13580	0.50609	1.20%	0.33%	1.25%	3.7267	0.10592
002.06	222	141	41.154	0.50085	41.177	0.36169	0.02154	0.88%	0.45475	0.29685	0.54306	1.10%	0.72%	1.32%	1.8294	0.25609
002.07	1		40.890													
002.08	3	3	40.852	0.31306	40.852	0.31306	0.12781	0.77%	0.29911	0.13070	0.32642	0.73%	0.32%	0.80%	2.4974	0.15000
002.10	3	3	40.537	1.5182	40.537	1.5182	0.61980	3.75%	1.4794	0.48253	1.5561	3.65%	1.19%	3.84%	3.2248	0.54667
002.11	7	6	40.650	2.7972	39.979	1.5484	0.44697	3.87%	2.7966	0.08134	2.7978	6.88%	0.20%	6.88%	34.395	0.09667
002.99	3	3	43.550	3.4951	43.550	3.4951	1.4269	8.03%	3.4830	0.41187	3.5073	8.00%	0.95%	8.05%	8.5155	0.50000
003.00	25	25	2.7755	1.1759	2.5872	0.76474	0.10815	29.56%	1.1703	0.16231	1.1815	42.16%	5.85%	42.57%	7.2790	0.15608
003.01	1		2.6200													
003.06	20	19	2.3521	0.58073	2.2261	0.24607	0.03992	11.05%	0.57761	0.08499	0.58383	24.56%	3.61%	24.82%	6.8692	0.08601
003.09	23	22	2.3528	0.25355	2.3710	0.21334	0.03216	9.00%	0.24558	0.08919	0.26128	10.44%	3.79%	11.10%	2.9294	0.08757
003.10	38	36	2.0619	0.23276	2.0390	0.19896	0.02345	9.76%	0.22914	0.05788	0.23634	11.11%	2.81%	11.46%	4.0834	0.05873
003.11	7	6	2.3067	0.42034	2.4270	0.19821	0.05722	8.17%	0.41975	0.03162	0.42094	18.20%	1.37%	18.25%	13.311	0.03000
003.12	24	23	2.1851	0.18212	2.1945	0.13527	0.01994	6.16%	0.18087	0.03004	0.18335	8.28%	1.37%	8.39%	6.1037	0.03293

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003.13	8	7	2.1314	0.10995	2.1314	0.12468	0.03332	5.85%	0.10901	0.02035	0.11089	5.11%	0.95%	5.20%	5.4480	0.02571
003.14	24	24	2.6514	0.66731	2.3931	0.27134	0.03916	11.34%	0.66386	0.09589	0.67075	25.04%	3.62%	25.30%	6.9950	0.10565
003.99	12	8	2.7344	0.56377	2.6639	0.18513	0.04628	6.95%	0.56016	0.08997	0.56734	20.49%	3.29%	20.75%	6.3062	0.10375
004.00	30	29	9.0112	1.0388	8.9678	0.51801	0.06802	5.78%	1.0324	0.16323	1.0452	11.46%	1.81%	11.60%	6.4035	0.16638
004.01	2	2	12.000	0.07071												
004.03	2	2	8.3675	0.68236												
004.06	47	46	8.5140	1.4402	8.6872	0.87387	0.09111	10.06%	1.4378	0.11654	1.4426	16.89%	1.37%	16.94%	12.378	0.11022
004.07	56	55	10.065	1.7153	10.104	1.6106	0.15357	15.94%	1.7088	0.21141	1.7218	16.98%	2.10%	17.11%	8.1443	0.21451
004.11	6	6	8.9333	2.9249	8.3708	0.90338	0.26078	10.79%	2.9181	0.28110	2.9317	32.67%	3.15%	32.82%	10.429	0.27333
004.99	4	4	17.474	18.522	17.474	18.522	6.5485	106.00%	1.3085	26.128	26.161	7.49%	149.53%	149.72%	1.0013	18.673
005.00	184	112	20.323	0.82285	20.397	0.71551	0.04781	3.51%	0.81167	0.19117	0.83388	3.99%	0.94%	4.10%	4.3621	0.18884
005.02	1		21.135													
005.03	1		20.305													
005.05	36	34	20.641	0.98990	20.625	0.57894	0.07021	2.81%	0.98802	0.08632	0.99178	4.79%	0.42%	4.80%	11.490	0.07929
005.11	4	4	18.713	5.6933	18.713	5.6933	2.0129	30.43%	5.6905	0.25367	5.6962	30.41%	1.36%	30.44%	22.455	0.21500
005.99	12	11	20.415	1.3429	20.621	1.0810	0.23047	5.24%	1.3386	0.15169	1.3472	6.56%	0.74%	6.60%	8.8816	0.15745
006.00	1		3.9000													
006.01	1		2.9500													
006.99	1		4.1650													
008.02	15	15	12.010	3.1080	12.671	1.3547	0.24733	10.69%	3.1033	0.24212	3.1127	25.84%	2.02%	25.92%	12.856	0.26800
008.05	2	2	13.259	1.2608												
008.08	30	29	11.715	0.86456	11.694	0.89472	0.11748	7.65%	0.84008	0.28888	0.88837	7.17%	2.47%	7.58%	3.0752	0.29751
008.99	3	3	23.812	20.454	23.812	20.454	8.3504	85.90%	20.449	0.63793	20.459	85.88%	2.68%	85.92%	32.072	0.65000
009.04	1		22.710													
009.07	12	12	21.992	1.6597	22.016	1.5871	0.32397	7.21%	1.6057	0.59351	1.7119	7.30%	2.70%	7.78%	2.8844	0.68583
009.09	26	25	21.350	1.5319	21.114	1.1408	0.16133	5.40%	1.4853	0.53055	1.5772	6.96%	2.49%	7.39%	2.9727	0.50790
009.99	2	2	22.290	0.24749												
010.03	6	6	7.0631	0.85538	7.1504	0.81012	0.23386	11.33%	0.83643	0.25318	0.87391	11.84%	3.58%	12.37%	3.4517	0.23367
010.11	4	4	8.6888	1.3764	8.6888	1.3764	0.48663	15.84%	1.3488	0.38783	1.4035	15.52%	4.46%	16.15%	3.6187	0.32750
010.99	11	11	9.3157	1.2334	9.2048	1.1203	0.23884	12.17%	1.2309	0.11085	1.2358	13.21%	1.19%	13.27%	11.149	0.11575
011.01	153	76	10.964	0.87820	11.028	0.81400	0.06602	7.38%	0.87115	0.15706	0.88519	7.95%	1.43%	8.07%	5.6359	0.15943
011.02	3	2	9.3750	0.10607	9.3750	0.10607	0.05303	1.13%	0.07382	0.10770	0.13058	0.79%	1.15%	1.39%	1.2124	0.14000
011.99	2	2	8.7850	1.2940												
012.00	8	8	4.6925	0.74409	4.7306	0.74579	0.18645	15.77%	0.73193	0.18951	0.75606	15.60%	4.04%	16.11%	3.9896	0.17250
012.01	2	2	4.2525	0.94399												
012.03	2	2	4.1675	0.36416												
012.04	7	7	5.1651	2.0458	5.1651	2.3199	0.62003	44.92%	2.0403	0.21142	2.0513	39.50%	4.09%	39.71%	9.7023	0.20757
012.11	2	2	19.650	25.838												

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013.00	16	16	3.1638	0.35674	3.1799	0.37403	0.06612	11.76%	0.35217	0.08051	0.36125	11.13%	2.54%	11.42%	4.4872	0.08375
013.02	97	26	3.2863	0.35738	3.2815	0.35494	0.04922	10.82%	0.34779	0.11631	0.36672	10.58%	3.54%	11.16%	3.1529	0.11500
013.10	10	9	2.9222	0.70698	2.7576	0.39995	0.09427	14.50%	0.69810	0.15799	0.71575	23.89%	5.41%	24.49%	4.5303	0.17257
013.12	1		2.4500													
013.13	4	4	2.6788	0.80412	2.6788	0.80412	0.28430	30.02%	0.80169	0.08839	0.80654	29.93%	3.30%	30.11%	9.1250	0.11750
015.41	5	5	1,792.6	200.09	1,792.6	200.09	63.273	11.16%	198.80	31.992	201.36	11.09%	1.78%	11.23%	6.2941	36.022
015.42	3	3	674.53	299.26	674.53	299.26	122.17	44.37%	295.61	65.908	302.86	43.82%	9.77%	44.90%	4.5953	80.267
015.43	4	4	1,208.0	369.14	1,208.0	369.14	130.51	30.56%	368.85	20.530	369.42	30.53%	1.70%	30.58%	17.994	27.500
015.53	1		965.00													
016.00	1		0.34550													
016.42	1		0.00000													
016.53	1		0.19350													
017.41	3	3	13.604	0.75222	13.604	0.75222	0.30709	5.53%		1.2098			8.89%			1.6135
017.42	4	4	10.018	6.7138	10.018	6.7138	2.3737	67.02%	6.7093	0.34706	6.7183	66.98%	3.46%	67.07%	19.358	0.36500
017.43	4	4	14.426	4.3906	14.426	4.3906	1.5523	30.43%	4.3888	0.17439	4.3923	30.42%	1.21%	30.45%	25.186	0.18750
017.53	1		12.600													
018.34	1		0.10350													
018.41	2	2	0.22500	0.03536												
018.42	1		0.00000													
018.53	1		0.27750													
019.00	33	31	5.0373	0.13726	5.0422	0.10070	0.01279	2.00%	0.13650	0.02040	0.13802	2.71%	0.40%	2.74%	6.7672	0.02121
019.02	1		5.1400													
019.03	4	4	5.1551	0.30518	5.1551	0.30518	0.10790	5.92%	0.30050	0.07529	0.30979	5.83%	1.46%	6.01%	4.1148	0.07278
019.08	9	9	4.9633	0.46564	4.8999	0.33756	0.07956	6.89%	0.46276	0.07311	0.46850	9.32%	1.47%	9.44%	6.4079	0.08079
019.31	29	28	4.9804	0.23308	5.0067	0.20255	0.02707	4.05%	0.22785	0.06947	0.23821	4.57%	1.39%	4.78%	3.4287	0.07373
019.32	7	7	5.0170	0.10663	5.0170	0.12092	0.03232	2.41%	0.10586	0.01813	0.10740	2.11%	0.36%	2.14%	5.9227	0.01747
019.33	5	5	5.1790	0.34797	5.1790	0.34797	0.11004	6.72%	0.34221	0.08920	0.35364	6.61%	1.72%	6.83%	3.9644	0.08040
019.41	37	37	5.0514	0.26183	5.0652	0.22571	0.02624	4.46%	0.24909	0.11411	0.27398	4.93%	2.26%	5.42%	2.4011	0.11615
019.42	19	19	4.8578	1.0106	5.0505	0.26084	0.04231	5.16%	1.0042	0.16034	1.0169	20.67%	3.30%	20.93%	6.3423	0.16683
019.43	15	15	5.0571	0.17816	5.0571	0.20203	0.03689	4.00%	0.16396	0.09856	0.19130	3.24%	1.95%	3.78%	1.9411	0.10793
019.52	2	2	4.8325	0.37830												
019.53	3	3	5.0745	0.27054	5.0745	0.27054	0.11045	5.33%	0.24866	0.15073	0.29078	4.90%	2.97%	5.73%	1.9291	0.17500
019.99	4	4	4.3338	1.0760	4.3338	1.0760	0.38042	24.83%	1.0737	0.09881	1.0783	24.78%	2.28%	24.88%	10.913	0.10250
020.41	2	2	7.9005	0.56498												
020.42	2	2	8.3975	2.1249												
020.43	1		10.065													
020.53	1		6.2705													
021.31	3	3	8.8400	3.0500	8.8400	3.0500	1.2452	34.50%	2.8807	1.4172	3.2104	32.59%	16.03%	36.32%	2.2654	1.5667

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021.41	5	5	9.2294	2.9463	9.2294	2.9463	0.93171	31.92%	2.9256	0.49302	2.9669	31.70%	5.34%	32.15%	6.0178	0.41090
021.42	4	4	9.6613	1.1977	9.6613	1.1977	0.42343	12.40%	1.1026	0.66122	1.2857	11.41%	6.84%	13.31%	1.9444	0.63750
021.43	4	4	9.3775	1.4912	9.3775	1.4912	0.52721	15.90%	1.4902	0.07566	1.4921	15.89%	0.81%	15.91%	19.721	0.07500
021.52	1		8.9500													
021.53	2	2	11.438	1.3753												
021.99	1		9.8961													
022.31	15	13	195.30	9.6376	196.62	7.2279	1.4175	3.68%	9.1905	4.1030	10.065	4.71%	2.10%	5.15%	2.4530	4.0962
022.32	2	2	216.50	0.70711												
022.33	2	2	231.44	56.724												
022.35	1		180.00													
022.41	29	28	192.80	15.405	193.99	13.315	1.7792	6.86%	14.854	5.7783	15.938	7.70%	3.00%	8.27%	2.7583	5.7727
022.42	18	18	201.82	20.222	200.99	14.263	2.3772	7.10%	19.250	8.7592	21.149	9.54%	4.34%	10.48%	2.4145	8.9178
022.43	13	13	190.45	11.666	190.30	12.906	2.5310	6.78%	11.141	4.8931	12.168	5.85%	2.57%	6.39%	2.4869	4.4685
022.53	3	3	190.22	2.8312	190.22	2.8312	1.1558	1.49%	2.4314	2.0514	3.1812	1.28%	1.08%	1.67%	1.5507	2.5000
022.99	2	2	155.61	60.971												
025.31	13	13	823.53	119.65	844.01	86.048	16.875	10.20%	118.35	24.939	120.95	14.37%	3.03%	14.69%	4.8497	24.018
025.32	1		411.46													
025.33	2	2	917.33	117.29												
025.41	30	29	806.25	126.59	836.32	57.700	7.5764	6.90%	125.83	19.583	127.35	15.61%	2.43%	15.80%	6.5028	21.701
025.42	14	14	491.78	123.65	509.45	100.90	19.069	19.81%	122.02	28.270	125.26	24.81%	5.75%	25.47%	4.4307	27.524
025.43	11	10	694.35	158.70	693.66	147.51	32.985	21.27%	158.50	11.385	158.91	22.83%	1.64%	22.89%	13.957	13.168
025.53	2	2	620.10	233.20												
025.99	2	2	760.17	131.76												
026.31	2	2	1.6775	1.0218												
026.34	1		0.26450													
026.42	1		0.00000													
026.53	1		1.0950													
027.31	13	13	0.36013	0.02609	0.36385	0.02102	0.00412	5.78%	0.01507	0.03011	0.03368	4.19%	8.36%	9.35%	1.1183	0.02344
027.32	4	4	0.36868	0.02103	0.36868	0.02103	0.00744	5.70%	0.02103	0.00007	0.02103	5.70%	0.02%	5.70%	297.44	0.00005
027.33	1		0.20000													
027.34	1		0.33100													
027.41	30	29	0.36466	0.01550	0.36336	0.01474	0.00194	4.06%	0.01358	0.01058	0.01721	3.72%	2.90%	4.72%	1.6274	0.01080
027.42	18	17	0.35499	0.02207	0.35411	0.02132	0.00366	6.02%	0.02023	0.01247	0.02377	5.70%	3.51%	6.69%	1.9061	0.01148
027.43	11	11	0.35405	0.01857	0.35439	0.01522	0.00325	4.29%	0.01801	0.00639	0.01911	5.09%	1.81%	5.40%	2.9899	0.00664
027.53	3	3	0.34150	0.01967	0.34150	0.01967	0.00803	5.76%	0.01892	0.00760	0.02039	5.54%	2.23%	5.97%	2.6817	0.00900
027.99	1		0.35000													
028.31	12	12	388.52	13.771	389.06	14.372	2.9337	3.69%	13.050	6.2195	14.456	3.36%	1.60%	3.72%	2.3244	7.4425
028.32	2	2	388.50	12.021												

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028.33	1		680.31													
028.41	30	30	370.48	26.070	376.00	11.923	1.5393	3.17%	25.188	9.5079	26.923	6.80%	2.57%	7.27%	2.8316	9.8013
028.42	18	17	386.73	27.300	389.15	21.073	3.6140	5.42%	25.466	13.910	29.017	6.58%	3.60%	7.50%	2.0861	13.571
028.43	13	13	374.77	26.049	380.21	18.238	3.5768	4.80%	25.707	5.9517	26.387	6.86%	1.59%	7.04%	4.4334	6.4369
028.53	3	3	372.45	16.832	372.45	16.832	6.8715	4.52%	16.744	2.4280	16.919	4.50%	0.65%	4.54%	6.9684	3.2333
028.99	1		391.44													
029.99	2	2	0.00535	0.00304												
031.00	2	2	1.0635	0.06141												
031.01	68	64	1.1193	0.05791	1.1166	0.05187	0.00458	4.65%	0.05694	0.01495	0.05887	5.09%	1.34%	5.26%	3.9371	0.01349
031.02	4	4	1.1085	0.01457	1.1085	0.01457	0.00515	1.31%	0.01379	0.00667	0.01532	1.24%	0.60%	1.38%	2.2960	0.00650
031.03	7	7	1.0840	0.02775	1.0842	0.03030	0.00810	2.79%	0.02667	0.01085	0.02879	2.46%	1.00%	2.66%	2.6543	0.01266
031.04	1		1.0200													
031.06	2	2	1.0925	0.01768												
031.41	37	36	1.0834	0.05395	1.0831	0.05367	0.00633	4.96%	0.05214	0.01957	0.05570	4.81%	1.81%	5.14%	2.8458	0.01874
031.42	20	19	1.1003	0.06555	1.0987	0.06019	0.00976	5.48%	0.05962	0.03852	0.07098	5.42%	3.50%	6.45%	1.8429	0.04248
031.43	13	13	1.0976	0.06241	1.0994	0.04857	0.00953	4.42%	0.06040	0.02222	0.06435	5.50%	2.02%	5.86%	2.8962	0.02638
031.53	4	4	1.0401	0.05868	1.0401	0.05868	0.02075	5.64%	0.05331	0.03468	0.06360	5.13%	3.33%	6.11%	1.8340	0.03525
031.99	5	5	1.0930	0.06120	1.0930	0.06120	0.01935	5.60%	0.05745	0.02983	0.06473	5.26%	2.73%	5.92%	2.1698	0.03400
032.02	4	4	1.1086	0.03015	1.1086	0.03015	0.01066	2.72%		0.06002			5.41%			0.07475
032.31	18	18	1.0807	0.07601	1.0840	0.05171	0.00862	4.77%	0.07446	0.02157	0.07752	6.89%	2.00%	7.17%	3.5937	0.02367
032.32	5	5	1.1161	0.02928	1.1161	0.02928	0.00926	2.62%	0.02761	0.01378	0.03086	2.47%	1.24%	2.76%	2.2385	0.01402
032.33	3	3	1.2647	0.21251	1.2647	0.21251	0.08676	16.80%	0.21054	0.04088	0.21447	16.65%	3.23%	16.96%	5.2466	0.03533
032.41	34	32	1.1424	0.07144	1.1337	0.05402	0.00675	4.77%	0.06997	0.02042	0.07289	6.12%	1.79%	6.38%	3.5686	0.01971
032.42	19	18	1.1569	0.09586	1.1491	0.06396	0.01066	5.57%	0.09330	0.03111	0.09835	8.06%	2.69%	8.50%	3.1617	0.03047
032.43	15	15	1.1125	0.06557	1.1121	0.07067	0.01290	6.35%	0.06204	0.03002	0.06892	5.58%	2.70%	6.20%	2.2958	0.02907
032.52	1		0.97750													
032.53	3	3	1.0817	0.05687	1.0817	0.05687	0.02322	5.26%	0.04288	0.05283	0.06804	3.96%	4.88%	6.29%	1.2880	0.06933
032.99	2	2	1.1025	0.06010												
033.00	44	43	3.4457	0.20114	3.4603	0.10861	0.01171	3.14%	0.20008	0.02914	0.20219	5.81%	0.85%	5.87%	6.9389	0.03123
033.01	42	40	3.5114	0.07412	3.5196	0.06577	0.00735	1.87%	0.07196	0.02514	0.07623	2.05%	0.72%	2.17%	3.0321	0.02586
033.03	8	8	3.9319	0.83196	3.8556	0.81401	0.20350	21.11%	0.82868	0.10437	0.83523	21.08%	2.65%	21.24%	8.0024	0.11375
033.05	3	3	3.3500	0.14858	3.3500	0.14858	0.06066	4.44%	0.14717	0.02887	0.14997	4.39%	0.86%	4.48%	5.1952	0.04000
033.99	10	10	3.3307	0.41158	3.4069	0.25013	0.05593	7.34%	0.40798	0.07686	0.41516	12.25%	2.31%	12.46%	5.4016	0.08290
034.01	2	2	1.7606	0.31731												
034.04	8	7	1.8964	0.69720	2.1044	0.37572	0.10042	17.85%	0.69646	0.04528	0.69793	36.72%	2.39%	36.80%	15.415	0.05000
034.41	1		3.1450													
034.42	2	2	3.2750	4.6315												
034.43	1		1.5450													

Method Code	Total # Labs Submitting	# Labs Included in Calculations	Mean	SD	Assigned Value - Robust Mean	AAFCCO CS ffp - Robust sd	Uncertainty (U)	% RSD	Between Labs sL	Within Labs sr	Reproducibility sR	Between Labs %RSD	Within Labs %rstd	Reproducibility %RSD	sR/sr	Average Range (R-bar)
034.52	2	2	2.1725	0.39244												
034.53	4	4	2.3890	0.28306	2.3890	0.28306	0.10008	11.85%	0.27795	0.07571	0.28808	11.63%	3.17%	12.06%	3.8050	0.08600
035.01	2	2	1.3845	0.05020												
035.05	5	5	1.2129	0.28146	1.2129	0.28146	0.08901	23.21%	0.28120	0.01720	0.28172	23.18%	1.42%	23.23%	16.377	0.02156
035.31	16	16	1.3427	0.13257	1.3452	0.07394	0.01307	5.50%	0.13079	0.03064	0.13433	9.74%	2.28%	10.00%	4.3839	0.03056
035.32	4	4	1.4680	0.08892	1.4680	0.08892	0.03144	6.06%	0.08872	0.00846	0.08913	6.04%	0.58%	6.07%	10.538	0.00963
035.33	2	2	1.3723	0.07389												
035.41	29	29	1.3705	0.08402	1.3643	0.07600	0.00998	5.57%	0.08185	0.02680	0.08613	5.97%	1.96%	6.28%	3.2137	0.02810
035.42	15	14	1.3926	0.11236	1.3832	0.04642	0.00877	3.36%	0.10769	0.04534	0.11684	7.73%	3.26%	8.39%	2.5770	0.04414
035.43	8	7	1.3035	0.06967	1.3046	0.07689	0.02055	5.89%	0.06886	0.01494	0.07046	5.28%	1.15%	5.41%	4.7162	0.01643
035.53	2	2	1.3578	0.11703												
035.99	1		1.2250													
036.00	2	2	0.42000	0.01414												
036.04	2	2	0.41750	0.00354												
036.42	18	18	0.47366	0.10185	0.46811	0.05374	0.00896	11.48%	0.10144	0.01289	0.10226	21.42%	2.72%	21.59%	7.9328	0.01261
036.43	8	8	0.45631	0.03690	0.45045	0.02736	0.00684	6.07%	0.03628	0.00947	0.03750	7.95%	2.08%	8.22%	3.9598	0.01113
036.53	1		0.45700													
036.99	1		0.37000													
037.31	13	13	673.93	25.313	673.93	28.705	5.6295	4.26%	23.923	11.697	26.630	3.55%	1.74%	3.95%	2.2767	12.236
037.32	2	2	712.50	41.719												
037.33	2	2	828.41	101.69												
037.34	1		676.45													
037.41	30	29	665.64	40.125	668.85	31.833	4.1798	4.76%	38.200	17.365	41.962	5.74%	2.61%	6.30%	2.4164	17.322
037.42	15	15	671.79	46.820	672.22	52.231	9.5361	7.77%	41.662	30.213	51.464	6.20%	4.50%	7.66%	1.7034	32.605
037.43	12	12	671.17	60.914	662.32	29.856	6.0943	4.51%	58.050	26.103	63.649	8.65%	3.89%	9.48%	2.4384	26.375
037.53	3	3	636.38	37.861	636.38	37.861	15.457	5.95%	37.480	7.5786	38.239	5.89%	1.19%	6.01%	5.0456	9.3667
037.99	2	2	693.82	39.151												
038.41	2	2	1.2728	0.66362												
038.42	5	5	2.0930	0.96460	2.0930	0.96460	0.30503	46.09%	0.96244	0.09105	0.96674	45.98%	4.35%	46.19%	10.618	0.09800
038.43	5	5	1.7210	0.45038	1.7210	0.45038	0.14242	26.17%	0.44363	0.10986	0.45703	25.78%	6.38%	26.56%	4.1600	0.13000
038.53	1		1.7800													
039.31	1		12.135													
039.41	1		11.707													
039.42	2	2	11.825	1.5203												
039.53	1		10.493													
040.42	1		7.9900													
041.42	1		2.9000													
065.00	5	5	272.25	19.613	272.25	19.613	6.2023	7.20%	18.868	7.5769	20.332	6.93%	2.78%	7.47%	2.6834	7.5400

Method Code	Total # Labs Submitting	# Labs Included in Calculations	Mean	SD	Assigned Value - Robust Mean	AAFCCO CS ffp - Robust sd	Uncertainty (U)	% RSD	Between Labs sL	Within Labs sr	Reproducibility sR	Between Labs %RSD	Within Labs %rstd	Reproducibility %RSD	sR/sr	Average Range (R-bar)
065.01	3	3	247.45	31.816	247.45	31.816	12.989	12.86%	31.673	4.2530	31.957	12.80%	1.72%	12.91%	7.5140	5.9667
065.03	11	10	283.69	31.963	285.32	32.556	7.2796	11.41%	31.725	5.4998	32.199	11.18%	1.94%	11.35%	5.8545	5.3990
065.04	4	4	271.06	17.802	271.06	17.802	6.2939	6.57%	17.502	4.6038	18.097	6.46%	1.70%	6.68%	3.9309	6.1500
065.99	4	4	269.07	33.612	269.07	33.612	11.884	12.49%	33.231	7.1366	33.989	12.35%	2.65%	12.63%	4.7626	8.8850
101.02	2	2	560.53	127.17												
105.00	1		2.6400													
106.00	2	2	35.324	7.5289												
106.01	2	2	26.393	4.7553												
106.02	26	25	30.390	7.0352	30.912	4.4472	0.62894	14.39%	6.5079	3.7792	7.5256	21.41%	12.44%	24.76%	1.9913	3.4593
108.01	2	2	3.5283	0.62473												
108.02	6	6	2.6525	1.2148	2.7371	1.1980	0.34583	43.77%	1.2062	0.20318	1.2232	45.48%	7.66%	46.12%	6.0206	0.21000
109.02	7	6	7.1075	6.0006	7.1075	6.8047	1.9643	95.74%	5.9942	0.39121	6.0070	84.34%	5.50%	84.52%	15.355	0.41833
120.00	14	13	1.1446	0.16702	1.0986	0.03078	0.00604	2.80%	0.16678	0.01266	0.16726	14.57%	1.11%	14.61%	13.210	0.01342
120.02	2	2	1.0583	0.08956												
120.05	4	4	1.1285	0.07560	1.1285	0.07560	0.02673	6.70%	0.06659	0.05062	0.08365	5.90%	4.49%	7.41%	1.6526	0.04900
120.99	1		1.0900													
121.00	14	14	1.6979	0.22665	1.6394	0.04779	0.00903	2.91%	0.22629	0.01808	0.22702	13.33%	1.06%	13.37%	12.555	0.02161
121.01	1		1.5830													
121.02	2	2	1.6210	0.01552												
121.05	4	4	1.6515	0.10196	1.6515	0.10196	0.03605	6.17%	0.10029	0.02597	0.10360	6.07%	1.57%	6.27%	3.9890	0.02850
121.99	1		1.8400													
122.00	14	14	1.8255	0.27667	1.7413	0.06910	0.01306	3.97%	0.27651	0.01338	0.27684	15.15%	0.73%	15.16%	20.691	0.01499
122.01	1		1.7580													
122.02	2	2	1.7841	0.04366												
122.05	4	4	1.7334	0.05383	1.7334	0.05383	0.01903	3.11%	0.05194	0.01997	0.05565	3.00%	1.15%	3.21%	2.7871	0.02175
122.99	1		0.92000													
123.99	2	2	3.4650	0.66468												
124.00	13	12	0.35222	0.06797	0.34235	0.03316	0.00677	9.69%	0.06772	0.00827	0.06822	19.23%	2.35%	19.37%	8.2529	0.00867
124.01	1		0.32950													
124.02	3	3	0.37005	0.02195	0.37005	0.02195	0.00896	5.93%	0.02111	0.00848	0.02275	5.71%	2.29%	6.15%	2.6837	0.00883
124.05	2	2	0.42250	0.11667												
124.99	1		0.46500													
125.00	13	13	3.6126	0.49537	3.4929	0.10024	0.01966	2.87%	0.49483	0.03260	0.49590	13.70%	0.90%	13.73%	15.212	0.03325
125.01	1		3.6650													
125.02	2	2	3.4907	0.02920												
125.05	4	4	3.2870	0.19660	3.2870	0.19660	0.06951	5.98%	0.19338	0.05012	0.19977	5.88%	1.52%	6.08%	3.9855	0.05250
126.00	14	14	0.94789	0.13502	0.91231	0.03622	0.00685	3.97%	0.13482	0.01040	0.13522	14.22%	1.10%	14.27%	12.997	0.01116
126.01	1		1.0025													

Method Code	Total # Labs Submitting	# Labs Included in Calculations	Mean	SD	Assigned Value - Robust Mean	AAFCCO CS ffp - Robust sd	Uncertainty (U)	% RSD	Between Labs sL	Within Labs sr	Reproducibility sR	Between Labs %RSD	Within Labs %rstd	Reproducibility %RSD	sR/sr	Average Range (R-bar)
126.02	2	2	0.91463	0.02174												
126.05	4	4	0.93238	0.06566	0.93238	0.06566	0.02321	7.04%	0.06399	0.02080	0.06728	6.86%	2.23%	7.22%	3.2349	0.02525
126.99	1		0.99500													
127.00	14	13	0.57155	0.08355	0.55455	0.04219	0.00827	7.61%	0.08273	0.01648	0.08435	14.47%	2.88%	14.76%	5.1191	0.01215
127.01	1		0.55350													
127.02	2	2	0.62630	0.11130												
127.05	4	4	0.54450	0.05367	0.54450	0.05367	0.01898	9.86%	0.05316	0.01051	0.05419	9.76%	1.93%	9.95%	5.1548	0.01050
127.99	1		0.52500													
128.00	14	14	0.70508	0.09979	0.67958	0.03706	0.00700	5.45%	0.09942	0.01207	0.10015	14.10%	1.71%	14.20%	8.2960	0.01185
128.01	1		0.75100													
128.02	2	2	0.69743	0.06728												
128.05	4	4	0.70688	0.05064	0.70688	0.05064	0.01790	7.16%	0.04886	0.01880	0.05235	6.91%	2.66%	7.41%	2.7840	0.02425
128.99	1		0.59500													
129.00	14	14	1.4486	0.19411	1.3917	0.02901	0.00548	2.08%	0.19389	0.01313	0.19434	13.39%	0.91%	13.42%	14.799	0.01339
129.01	1		1.4215													
129.02	2	2	1.4004	0.00651												
129.05	4	4	1.3941	0.04283	1.3941	0.04283	0.01514	3.07%	0.03927	0.02419	0.04612	2.82%	1.74%	3.31%	1.9067	0.03025
129.99	1		1.2850													
130.00	15	15	1.1907	0.15433	1.1657	0.09574	0.01748	8.21%	0.15350	0.02261	0.15515	12.89%	1.90%	13.03%	6.8623	0.02090
130.01	1		1.0885													
130.02	2	2	1.1722	0.10918												
130.05	4	4	1.1631	0.10968	1.1631	0.10968	0.03878	9.43%	0.10758	0.03023	0.11175	9.25%	2.60%	9.61%	3.6970	0.02825
130.99	1		1.1500													
131.00	13	13	0.30462	0.04617	0.29793	0.03449	0.00676	11.58%	0.04592	0.00683	0.04643	15.08%	2.24%	15.24%	6.8005	0.00737
131.01	1		0.26550													
131.02	3	3	0.31542	0.04802	0.31542	0.04802	0.01960	15.22%	0.04717	0.01270	0.04885	14.96%	4.03%	15.49%	3.8476	0.01383
131.05	3	3	0.34750	0.05321	0.34750	0.05321	0.02172	15.31%	0.05307	0.00549	0.05335	15.27%	1.58%	15.35%	9.7136	0.00633
131.99	1		0.21500													
132.00	14	14	0.96597	0.14924	0.93514	0.04546	0.00859	4.86%	0.14893	0.01344	0.14954	15.42%	1.39%	15.48%	11.128	0.01480
132.01	1		1.0255													
132.02	2	2	0.95195	0.01138												
132.05	4	4	0.96650	0.06115	0.96650	0.06115	0.02162	6.33%	0.05126	0.04715	0.06965	5.30%	4.88%	7.21%	1.4771	0.05200
132.99	1		0.93000													
133.00	14	14	1.1980	0.16316	1.1685	0.09595	0.01813	8.21%	0.16270	0.01738	0.16362	13.58%	1.45%	13.66%	9.4122	0.01797
133.05	4	4	1.2394	0.06709	1.2394	0.06709	0.02372	5.41%	0.06323	0.03172	0.07074	5.10%	2.56%	5.71%	2.2303	0.04075
133.99	1		1.2350													
134.00	14	14	0.91109	0.13546	0.87950	0.04220	0.00798	4.80%	0.13531	0.00895	0.13561	14.85%	0.98%	14.88%	15.152	0.00931
134.01	1		0.91900													

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134.02	2	2	0.85210	0.03125												
134.05	4	4	0.88538	0.12925	0.88538	0.12925	0.04570	14.60%	0.12871	0.01668	0.12979	14.54%	1.88%	14.66%	7.7823	0.01625
134.99	1		0.93000													
135.00	14	14	0.85305	0.11946	0.82452	0.02625	0.00496	3.18%	0.11930	0.00872	0.11962	13.98%	1.02%	14.02%	13.722	0.00996
135.01	1		0.80850													
135.02	2	2	0.82918	0.00590												
135.05	4	4	0.81275	0.05571	0.81275	0.05571	0.01970	6.85%	0.05316	0.02355	0.05814	6.54%	2.90%	7.15%	2.4692	0.02850
135.99	1		0.84000													
136.00	4	4	0.23545	0.06156	0.23545	0.06156	0.02176	26.14%	0.06126	0.00851	0.06185	26.02%	3.61%	26.27%	7.2701	0.01025
136.01	5	5	0.22170	0.01925	0.22170	0.01925	0.00609	8.68%	0.01911	0.00336	0.01940	8.62%	1.52%	8.75%	5.7711	0.00340
136.03	3	3	0.23083	0.03403	0.23083	0.03403	0.01389	14.74%	0.03346	0.00880	0.03460	14.49%	3.81%	14.99%	3.9298	0.00967
136.99	2	2	0.23650	0.01202												
137.00	9	8	0.60506	0.03973	0.61013	0.03269	0.00817	5.36%	0.03868	0.01282	0.04075	6.39%	2.12%	6.73%	3.1791	0.01338
137.01	1		0.70250													
137.02	2	2	0.61418	0.01531												
137.05	4	4	0.62800	0.10227	0.62800	0.10227	0.03616	16.29%	0.09822	0.04031	0.10617	15.64%	6.42%	16.91%	2.6337	0.05000
137.99	1		0.69500													
138.00	14	14	0.99113	0.14027	0.95422	0.05906	0.01116	6.19%	0.14017	0.00732	0.14036	14.14%	0.74%	14.16%	19.165	0.00769
138.01	1		1.4205													
138.02	2	2	1.0149	0.08496												
138.05	4	4	0.96513	0.05828	0.96513	0.05828	0.02061	6.04%	0.05608	0.02244	0.06040	5.81%	2.33%	6.26%	2.6916	0.02925
138.99	1		1.0850													
139.00	2	2	0.05750	0.01768												
139.02	1		0.00000													
140.01	1		0.30150													
142.00	1		0.17800													
210.99	1		1.2200													
300.01	1		3.2000													
300.07	2	2	7.1500	0.98995												