

AAFCO Check Sample Program

Methods Report

Sort by Method

Proficiency For Individual Methods

Sample # 201129

Pig Starter, 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 %rSD	Reproducibility %RSD	sR/sr	Average Range (R-bar)
000.01	1		0.33000													
001.00	10	7	8.3546	0.50061	8.3546	0.56769	0.15172	6.79%	0.49805	0.07141	0.50315	5.96%	0.85%	6.02%	7.0454	0.08864
001.03	15	14	8.2600	0.39873	8.2643	0.34547	0.06529	4.18%	0.39804	0.03317	0.39942	4.82%	0.40%	4.84%	12.043	0.03571
001.05	1		8.1650													
001.07	39	37	8.3029	0.41007	8.3213	0.27492	0.03196	3.30%	0.39387	0.16139	0.42565	4.74%	1.94%	5.13%	2.6375	0.15815
001.08	2	2	8.3025	0.00354												
001.99	19	16	8.2333	0.87345	8.3221	0.75995	0.13434	9.13%	0.87140	0.08457	0.87550	10.58%	1.03%	10.63%	10.352	0.09004
002.00	8	7	20.708	0.50174	20.564	0.31640	0.08456	1.54%	0.50063	0.04713	0.50284	2.42%	0.23%	2.43%	10.669	0.04714
002.01	11	11	20.581	0.26839	20.542	0.12507	0.02666	0.61%	0.25774	0.10583	0.27862	1.25%	0.51%	1.35%	2.6327	0.09449
002.02	7	7	20.472	0.33763	20.508	0.30103	0.08045	1.47%	0.33539	0.05489	0.33985	1.64%	0.27%	1.66%	6.1915	0.06279
002.04	6	6	20.287	0.94901	20.404	0.48690	0.14056	2.39%	0.94751	0.07539	0.95050	4.67%	0.37%	4.69%	12.608	0.08333
002.05	33	32	20.469	0.21478	20.467	0.18619	0.02327	0.91%	0.20870	0.07172	0.22068	1.02%	0.35%	1.08%	3.0769	0.07283
002.06	228	142	20.696	0.33793	20.703	0.26569	0.01577	1.28%	0.32294	0.14075	0.35228	1.56%	0.68%	1.70%	2.5028	0.14605
002.07	1		20.370													
002.08	4	4	20.711	0.45115	20.711	0.45115	0.15951	2.18%	0.44675	0.08899	0.45552	2.16%	0.43%	2.20%	5.1188	0.09480
002.10	4	4	20.609	0.26884	20.609	0.26884	0.09505	1.30%	0.24177	0.16626	0.29342	1.17%	0.81%	1.42%	1.7649	0.18380
002.11	9	9	20.733	1.1260	20.733	1.2768	0.30096	6.16%	1.1245	0.08003	1.1274	5.42%	0.39%	5.44%	14.086	0.08111
002.99	2	2	20.840	0.41719												
003.00	23	23	4.2413	0.53439	4.1638	0.23693	0.03493	5.69%	0.52577	0.13518	0.54287	12.40%	3.19%	12.80%	4.0160	0.11370
003.01	2	2	4.0894	0.09111												
003.05	1		4.1350													
003.06	19	18	4.1167	0.22939	4.1044	0.14233	0.02372	3.47%	0.21166	0.12506	0.24585	5.14%	3.04%	5.97%	1.9659	0.08889
003.09	24	23	4.1833	0.20708	4.1978	0.16458	0.02427	3.92%	0.19901	0.08096	0.21485	4.76%	1.94%	5.14%	2.6537	0.08551
003.10	35	34	4.1218	0.55635	4.0529	0.19524	0.02368	4.82%	0.55401	0.07202	0.55867	13.44%	1.75%	13.55%	7.7570	0.07363
003.11	8	7	4.6193	0.41590	4.6193	0.47163	0.12605	10.21%	0.41567	0.01946	0.41612	9.00%	0.42%	9.01%	21.387	0.02429
003.12	17	16	3.8806	0.66253	4.0594	0.16158	0.02856	3.98%	0.66193	0.03984	0.66313	17.06%	1.03%	17.09%	16.643	0.04250
003.13	6	5	3.6057	1.2440	3.6057	1.2440	0.39339	34.50%	1.2436	0.04508	1.2444	34.49%	1.25%	34.51%	27.602	0.05300

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003.14	24	24	4.0225	0.51319	4.0634	0.45137	0.06515	11.11%	0.50401	0.13668	0.52221	12.53%	3.40%	12.98%	3.8206	0.13999
003.99	11	6	4.1451	0.29151	4.1451	0.33057	0.09543	7.97%	0.28462	0.08908	0.29824	6.87%	2.15%	7.19%	3.3479	0.10115
004.00	25	24	2.2645	0.51392	2.1779	0.25633	0.03700	11.77%	0.50763	0.11340	0.52014	22.42%	5.01%	22.97%	4.5870	0.08953
004.01	2	2	3.8375	1.1137												
004.03	2	2	2.3925	0.14496												
004.06	42	41	2.2922	0.33888	2.2827	0.36101	0.03987	15.82%	0.33476	0.07449	0.34295	14.60%	3.25%	14.96%	4.6041	0.07285
004.07	52	50	2.1547	0.49409	2.0949	0.25095	0.02509	11.98%	0.48900	0.09999	0.49912	22.69%	4.64%	23.16%	4.9915	0.10402
004.11	4	4	2.2838	0.47352	2.2838	0.47352	0.16742	20.73%	0.47285	0.03553	0.47419	20.71%	1.56%	20.76%	13.345	0.02750
004.99	3	3	1.3833	0.75137	1.3833	0.75137	0.30675	54.32%		1.2540			90.65%			1.0667
005.00	187	116	7.0119	0.17031	7.0183	0.16056	0.01054	2.29%	0.16364	0.06674	0.17673	2.33%	0.95%	2.52%	2.6479	0.06344
005.01	2	2	6.7050	0.00000												
005.02	1		7.2100													
005.03	2	2	6.8650	0.30406												
005.05	26	25	7.1474	0.22628	7.1172	0.11576	0.01637	1.63%	0.22440	0.04122	0.22815	3.14%	0.58%	3.19%	5.5355	0.04052
005.11	6	6	6.6792	0.74339	6.6433	0.66834	0.19293	10.06%	0.74318	0.02466	0.74359	11.13%	0.37%	11.13%	30.148	0.03167
005.99	12	12	7.0909	0.09814	7.0808	0.08854	0.01807	1.25%	0.07707	0.08591	0.11542	1.09%	1.21%	1.63%	1.3434	0.06908
006.01	1		12.250													
006.99	3	3	9.6250	6.4745	9.6250	6.4745	2.6432	67.27%	6.4737	0.14543	6.4753	67.26%	1.51%	67.28%	44.525	0.19000
008.02	13	13	3.4338	0.66110	3.4957	0.50380	0.09880	14.41%	0.64598	0.19879	0.67588	18.81%	5.79%	19.68%	3.4000	0.18019
008.05	1		4.7000													
008.08	29	29	3.3038	0.45356	3.2731	0.35694	0.04687	10.91%	0.43113	0.19920	0.47492	13.05%	6.03%	14.38%	2.3842	0.19660
008.99	3	3	3.8033	0.92143	3.8033	0.92143	0.37617	24.23%	0.91644	0.13540	0.92639	24.10%	3.56%	24.36%	6.8418	0.16667
009.04	1		7.3500													
009.07	10	9	7.3766	1.0277	7.6021	0.47869	0.11283	6.30%	1.0217	0.15680	1.0337	13.85%	2.13%	14.01%	6.5922	0.15953
009.09	25	25	7.0415	0.91982	6.9070	0.64252	0.09087	9.30%	0.89976	0.27020	0.93946	12.78%	3.84%	13.34%	3.4768	0.28516
009.99	4	4	8.8875	1.1827	8.8875	1.1827	0.41816	13.31%	1.1697	0.24809	1.1957	13.16%	2.79%	13.45%	4.8195	0.29000
010.03	5	5	7.0997	1.3935	7.0997	1.3935	0.44067	19.63%	1.3585	0.43888	1.4277	19.13%	6.18%	20.11%	3.2530	0.51478
010.11	5	5	8.8560	0.98341	8.8560	0.98341	0.31098	11.10%	0.98182	0.07912	0.98500	11.09%	0.89%	11.12%	12.449	0.09600
010.99	11	10	8.4471	0.60214	8.4231	0.47561	0.10635	5.65%	0.59739	0.10675	0.60685	7.07%	1.26%	7.18%	5.6846	0.09580
011.01	157	79	9.8476	0.52220	9.8844	0.27775	0.02210	2.81%	0.51699	0.10405	0.52736	5.25%	1.06%	5.36%	5.0685	0.09965
011.02	2	2	9.4900	0.50205												
011.99	2	2	8.3775	1.7996												
012.00	8	8	33.600	2.4780	33.293	1.0752	0.26880	3.23%	2.4730	0.22291	2.4830	7.36%	0.66%	7.39%	11.139	0.25750
012.01	3	3	31.679	1.1008	31.679	1.1008	0.44938	3.47%	1.0089	0.62245	1.1855	3.18%	1.96%	3.74%	1.9045	0.83133
012.02	1		5.0000													
012.03	3	3	30.812	2.1960	30.812	2.1960	0.89650	7.13%	2.1498	0.63336	2.2412	6.98%	2.06%	7.27%	3.5385	0.78333
012.04	5	5	31.740	2.0532	31.740	2.0532	0.64929	6.47%	2.0434	0.28401	2.0630	6.44%	0.89%	6.50%	7.2640	0.27200
012.11	4	4	30.243	4.7478	30.243	4.7478	1.6786	15.70%	4.7470	0.12093	4.7485	15.70%	0.40%	15.70%	39.265	0.14000

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013.00	16	16	4.8908	0.46595	4.8908	0.52839	0.09341	10.80%	0.45295	0.15456	0.47860	9.26%	3.16%	9.79%	3.0966	0.15506
013.02	99	30	5.2788	0.44326	5.2734	0.48341	0.06241	9.17%	0.43157	0.14304	0.45466	8.18%	2.71%	8.61%	3.1786	0.12530
013.03	1		8.7258													
013.10	15	14	4.8221	0.34493	4.8245	0.36603	0.06917	7.59%	0.31440	0.20063	0.37296	6.52%	4.16%	7.73%	1.8590	0.21514
013.11	2	2	4.2440	0.60953												
013.12	3	1	5.0000		4.2440	0.60953	0.43100	14.36%		0.00000			0.00%			0.00000
013.13	1		5.2600													
015.41	4	4	644.10	107.66	644.10	107.66	38.063	16.71%	107.18	14.413	108.14	16.64%	2.24%	16.79%	7.5028	16.602
015.42	2	2	318.53	95.424												
015.43	3	3	534.00	192.05	534.00	192.05	78.403	35.96%	191.91	10.440	192.19	35.94%	1.96%	35.99%	18.408	12.667
015.52	1		588.85													
015.53	1		710.50													
016.42	1		0.00000													
016.43	1		0.25500													
016.53	1		0.35450													
016.99	1		0.17800													
017.41	2	2	11.308	1.2127												
017.42	4	4	8.3175	5.5790	8.3175	5.5790	1.9725	67.08%	5.5784	0.11424	5.5796	67.07%	1.37%	67.08%	48.842	0.10500
017.43	3	3	11.777	0.69759	11.777	0.69759	0.28479	5.92%	0.69584	0.06976	0.69933	5.91%	0.59%	5.94%	10.025	0.07333
017.53	1		11.500													
018.41	2	2	0.06163	0.01644												
018.42	1		0.00000													
018.52	1		0.10750													
018.53	1		0.06700													
019.00	26	25	1.0441	0.07232	1.0363	0.05034	0.00712	4.86%	0.06952	0.02818	0.07501	6.66%	2.70%	7.18%	2.6616	0.02769
019.03	5	5	1.1037	0.04283	1.1037	0.04283	0.01354	3.88%	0.04197	0.01206	0.04367	3.80%	1.09%	3.96%	3.6216	0.01384
019.08	10	10	1.1106	0.14671	1.0909	0.09122	0.02040	8.36%	0.14548	0.02684	0.14794	13.10%	2.42%	13.32%	5.5118	0.02766
019.31	32	31	1.0286	0.06407	1.0317	0.03567	0.00453	3.46%	0.06231	0.02112	0.06579	6.06%	2.05%	6.40%	3.1152	0.02209
019.32	11	11	1.0538	0.03609	1.0566	0.03348	0.00714	3.17%	0.03583	0.00602	0.03634	3.40%	0.57%	3.45%	6.0403	0.00674
019.33	3	3	1.0705	0.16309	1.0705	0.16309	0.06658	15.23%	0.12357	0.15052	0.19475	11.54%	14.06%	18.19%	1.2938	0.15833
019.41	41	40	1.0345	0.05649	1.0361	0.03976	0.00445	3.84%	0.05558	0.01423	0.05738	5.37%	1.38%	5.55%	4.0329	0.01608
019.42	24	24	1.0525	0.05065	1.0552	0.04542	0.00656	4.30%	0.04887	0.01882	0.05237	4.64%	1.79%	4.98%	2.7822	0.02018
019.43	11	11	1.0570	0.03641	1.0566	0.03516	0.00750	3.33%	0.02083	0.04224	0.04709	1.97%	4.00%	4.46%	1.1150	0.04138
019.52	1		1.0075													
019.53	2	2	1.0625	0.06010												
019.99	4	4	1.0013	0.05893	1.0013	0.05893	0.02084	5.89%	0.05715	0.02031	0.06066	5.71%	2.03%	6.06%	2.9865	0.02750
020.32	1		0.00000													
020.41	2	2	3.0866	0.19322												

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020.42	2	2	1.4125	1.9976												
020.43	2	2	3.7125	0.25102												
020.52	1		4.6585													
020.53	1		3.3250													
020.99	1		1.8000													
021.31	3	3	0.40000	0.45826	0.40000	0.45826	0.18708	114.56%	0.45461	0.08165	0.46188	113.65%	20.41%	115.47%	5.6569	0.06667
021.32	1		2.3735													
021.33	1		0.72100													
021.41	4	4	0.86475	0.22104	0.86475	0.22104	0.07815	25.56%	0.21920	0.04020	0.22286	25.35%	4.65%	25.77%	5.5431	0.04455
021.42	4	4	0.92550	0.22421	0.92550	0.22421	0.07927	24.23%	0.20040	0.14221	0.24573	21.65%	15.37%	26.55%	1.7279	0.14150
021.43	2	2	1.1825	0.06718												
021.52	1		1.0350													
021.53	1		1.0500													
022.31	20	20	250.85	25.001	250.40	9.0533	1.4315	3.62%	24.848	3.8951	25.152	9.91%	1.55%	10.03%	6.4574	4.3240
022.32	3	3	262.49	7.4787	262.49	7.4787	3.0532	2.85%	7.3378	2.0430	7.6169	2.80%	0.78%	2.90%	3.7283	2.0275
022.33	1		258.60													
022.41	31	31	248.15	23.009	249.63	14.091	1.7896	5.64%	22.655	5.6858	23.358	9.13%	2.29%	9.41%	4.1081	6.5038
022.42	22	22	269.69	10.413	269.83	11.071	1.6690	4.10%	7.9193	9.5624	12.416	2.94%	3.55%	4.60%	1.2984	8.1350
022.43	12	11	266.01	21.631	264.37	13.979	2.9804	5.29%	21.436	4.0967	21.824	8.06%	1.54%	8.20%	5.3271	4.2636
022.52	1		234.54													
022.53	2	2	271.25	8.8388												
022.99	2	2	275.47	17.719												
025.31	16	16	596.73	56.411	593.37	43.885	7.7578	7.40%	56.166	7.4222	56.654	9.41%	1.24%	9.49%	7.6331	8.4413
025.32	3	3	531.45	49.772	531.45	49.772	20.319	9.37%	49.729	2.9100	49.814	9.36%	0.55%	9.37%	17.118	3.3000
025.33	2	2	593.90	28.779												
025.41	32	31	583.50	53.259	591.32	40.520	5.1461	6.85%	52.580	11.989	53.929	9.01%	2.05%	9.24%	4.4984	12.585
025.42	19	19	472.73	90.454	485.46	57.141	9.2695	11.77%	90.016	12.577	90.890	19.04%	2.66%	19.23%	7.2269	13.973
025.43	12	12	539.48	71.377	543.35	74.135	15.133	13.64%	63.580	45.876	78.403	11.79%	8.50%	14.53%	1.7090	44.555
025.52	1		537.92													
025.53	1		570.00													
025.99	2	2	545.14	53.935												
026.31	2	2	2.6158	1.3919												
026.41	2	2	1.3630	0.30123												
026.42	1		0.00000													
026.52	1		1.6380													
026.53	1		1.8010													
027.31	18	17	0.17685	0.01037	0.17597	0.00935	0.00160	5.31%	0.00950	0.00587	0.01117	5.37%	3.32%	6.32%	1.9033	0.00641
027.32	7	6	0.17461	0.00393	0.17461	0.00445	0.00129	2.55%	0.00392	0.00022	0.00393	2.25%	0.12%	2.25%	18.029	0.00022

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027.33	2	2	0.19830	0.03069												
027.41	28	28	0.18328	0.01022	0.18332	0.00908	0.00121	4.95%	0.00992	0.00343	0.01050	5.41%	1.87%	5.73%	3.0599	0.00296
027.42	18	17	0.18072	0.00887	0.18039	0.00927	0.00159	5.14%	0.00865	0.00276	0.00908	4.79%	1.53%	5.03%	3.2928	0.00224
027.43	9	9	0.18373	0.00533	0.18373	0.00604	0.00142	3.29%	0.00423	0.00458	0.00623	2.30%	2.49%	3.39%	1.3615	0.00477
027.52	1		0.15545													
027.53	2	2	0.17875	0.00530												
027.99	1		0.20000													
028.31	16	16	61.054	5.7543	61.854	3.0995	0.54793	5.01%	5.5220	2.2889	5.9776	9.04%	3.75%	9.79%	2.6116	2.0375
028.32	3	3	62.856	2.5089	62.856	2.5089	1.0243	3.99%	2.1732	1.7731	2.8047	3.46%	2.82%	4.46%	1.5818	2.0209
028.33	2	2	59.660	1.8738												
028.41	30	29	63.430	4.8903	62.594	2.9423	0.38635	4.70%	4.7373	1.7166	5.0387	7.47%	2.71%	7.94%	2.9353	1.8533
028.42	21	20	64.934	3.8953	65.006	2.6088	0.41249	4.01%	3.6053	2.0858	4.1651	5.55%	3.21%	6.41%	1.9969	2.0780
028.43	12	12	65.860	4.9330	65.873	5.3595	1.0940	8.14%	4.6699	2.2479	5.1828	7.09%	3.41%	7.87%	2.3056	2.5963
028.52	1		58.335													
028.53	1		60.950													
028.99	1		63.624													
029.99	3	3	0.03650	0.05631	0.03650	0.05631	0.02299	154.28%	0.05479	0.01838	0.05779	150.11%	50.36%	158.33%	3.1442	0.01567
031.00	4	4	0.77335	0.03405	0.77335	0.03405	0.01204	4.40%	0.03333	0.00989	0.03476	4.31%	1.28%	4.50%	3.5155	0.01170
031.01	61	60	0.76400	0.03517	0.76329	0.02184	0.00199	2.86%	0.03442	0.01019	0.03590	4.51%	1.33%	4.70%	3.5213	0.01058
031.02	3	3	0.77462	0.01367	0.77462	0.01367	0.00558	1.77%	0.01365	0.00118	0.01370	1.76%	0.15%	1.77%	11.570	0.00097
031.03	9	9	0.75439	0.03262	0.75903	0.02489	0.00587	3.28%	0.03209	0.00830	0.03314	4.25%	1.10%	4.39%	3.9925	0.00968
031.04	1		0.71500													
031.06	2	2	0.73400	0.01273												
031.41	40	39	0.76541	0.03144	0.76749	0.02838	0.00321	3.70%	0.03046	0.01100	0.03239	3.98%	1.44%	4.23%	2.9437	0.01111
031.42	25	24	0.75202	0.03568	0.75508	0.03275	0.00473	4.34%	0.03350	0.01736	0.03773	4.46%	2.31%	5.02%	2.1740	0.01383
031.43	12	12	0.78687	0.05984	0.76794	0.01924	0.00393	2.51%	0.05644	0.02813	0.06306	7.17%	3.57%	8.01%	2.2419	0.02592
031.52	1		0.60575													
031.53	2	2	0.79800	0.04667												
031.99	5	5	0.72900	0.04189	0.72900	0.04189	0.01325	5.75%	0.03860	0.02302	0.04494	5.29%	3.16%	6.17%	1.9523	0.01800
032.02	5	5	1.1365	0.02464	1.1365	0.02464	0.00779	2.17%	0.02167	0.01657	0.02728	1.91%	1.46%	2.40%	1.6466	0.01940
032.04	1		1.1100													
032.31	17	16	1.1047	0.06102	1.1092	0.05553	0.00982	5.01%	0.05799	0.02685	0.06390	5.25%	2.43%	5.78%	2.3804	0.02528
032.32	4	4	1.0800	0.06232	1.0800	0.06232	0.02203	5.77%	0.06201	0.00866	0.06262	5.74%	0.80%	5.80%	7.2303	0.01000
032.33	1		1.2400													
032.41	27	26	1.0977	0.13645	1.1165	0.04486	0.00622	4.02%	0.13577	0.01924	0.13713	12.37%	1.75%	12.49%	7.1275	0.02083
032.42	22	22	1.1358	0.06269	1.1394	0.06047	0.00912	5.31%	0.06088	0.02115	0.06445	5.36%	1.86%	5.67%	3.0476	0.02441
032.43	9	9	1.1748	0.13011	1.1290	0.03247	0.00765	2.88%	0.12969	0.01485	0.13054	11.04%	1.26%	11.11%	8.7891	0.01593
032.52	1		1.1103													

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032.53	2	2	1.1475	0.06718												
032.99	1		1.1400													
033.00	41	40	0.58925	0.06885	0.59614	0.04407	0.00493	7.39%	0.06799	0.01535	0.06970	11.54%	2.60%	11.83%	4.5417	0.01618
033.01	39	38	0.64566	0.02701	0.64429	0.01712	0.00196	2.66%	0.02645	0.00775	0.02756	4.10%	1.20%	4.27%	3.5556	0.00743
033.03	7	6	0.61667	0.05724	0.61417	0.04954	0.01430	8.07%	0.05673	0.01080	0.05775	9.20%	1.75%	9.36%	5.3466	0.01000
033.05	2	2	0.61750	0.01768												
033.99	8	7	0.55450	0.07070	0.56115	0.07072	0.01890	12.60%	0.06884	0.02282	0.07252	12.41%	4.12%	13.08%	3.1774	0.01786
034.01	1		0.48500													
034.04	6	6	0.58217	0.04698	0.57046	0.03277	0.00946	5.74%	0.04538	0.01719	0.04853	7.80%	2.95%	8.34%	2.8239	0.01867
034.34	1		217.65													
034.42	2	2	1.1375	1.6087												
034.43	1		1.6950													
034.53	1		0.63000													
034.99	3	3	0.47700	0.22070	0.47700	0.22070	0.09010	46.27%	0.22019	0.02113	0.22121	46.16%	4.43%	46.37%	10.467	0.02933
035.01	3	3	0.21317	0.01316	0.21317	0.01316	0.00537	6.17%	0.01283	0.00410	0.01347	6.02%	1.92%	6.32%	3.2836	0.00367
035.05	8	7	0.20025	0.01204	0.20218	0.00611	0.00163	3.02%	0.00956	0.01035	0.01409	4.77%	5.17%	7.04%	1.3614	0.01064
035.31	17	17	0.19210	0.01511	0.19170	0.00906	0.00155	4.73%	0.01374	0.00887	0.01636	7.15%	4.62%	8.51%	1.8443	0.01005
035.32	5	5	0.19249	0.02450	0.19249	0.02450	0.00775	12.73%	0.02429	0.00456	0.02471	12.62%	2.37%	12.84%	5.4190	0.00478
035.33	1		0.27000													
035.41	35	34	0.20739	0.03580	0.20069	0.01070	0.00130	5.33%	0.03555	0.00601	0.03605	17.14%	2.90%	17.38%	6.0019	0.00601
035.42	21	20	0.19723	0.01820	0.19515	0.01089	0.00172	5.58%	0.01787	0.00490	0.01853	9.06%	2.48%	9.39%	3.7833	0.00474
035.43	8	8	0.20113	0.01003	0.20113	0.01138	0.00284	5.66%	0.00758	0.00930	0.01200	3.77%	4.62%	5.97%	1.2900	0.00900
035.52	1		0.17420													
035.53	2	2	0.20250	0.00354												
036.00	1		0.30000													
036.04	2	2	0.27000	0.00707												
036.42	16	15	0.26293	0.01572	0.26427	0.01295	0.00236	4.90%	0.01516	0.00586	0.01626	5.77%	2.23%	6.18%	2.7757	0.00624
036.43	7	7	0.27375	0.01959	0.27382	0.01771	0.00473	6.47%	0.01923	0.00529	0.01994	7.02%	1.93%	7.29%	3.7698	0.00601
036.53	1		0.26000													
036.99	2	2	0.21825	0.06611												
037.31	22	20	2,577.7	157.04	2,584.7	141.36	22.350	5.47%	153.80	44.893	160.22	5.97%	1.74%	6.22%	3.5689	49.846
037.32	6	6	2,459.2	1,154.6	2,682.4	71.415	20.616	2.66%	1,154.0	53.266	1,155.2	46.92%	2.17%	46.97%	21.687	47.816
037.33	4	4	2,724.4	180.31	2,724.4	180.31	63.748	6.62%	178.77	33.258	181.83	6.56%	1.22%	6.67%	5.4673	27.250
037.41	36	35	2,620.4	243.39	2,610.0	137.52	16.437	5.27%	239.47	61.495	247.24	9.14%	2.35%	9.44%	4.0205	57.474
037.42	22	22	2,622.9	170.78	2,610.3	149.80	22.583	5.74%	168.22	41.611	173.29	6.41%	1.59%	6.61%	4.1646	46.332
037.43	13	12	2,674.2	164.19	2,677.4	176.97	36.124	6.61%	160.64	47.973	167.65	6.01%	1.79%	6.27%	3.4948	45.818
037.52	1		2,084.3													
037.53	2	2	2,531.0	43.841												

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)
037.99	3	3	1,806.7	1,564.7	1,806.7	1,564.7	638.77	86.60%	1,563.4	88.790	1,565.9	86.53%	4.91%	86.67%	17.636	80.472
038.41	2	2	1.4013	0.05480												
038.42	5	5	1.7346	0.55296	1.7346	0.55296	0.17486	31.88%	0.54829	0.10149	0.55760	31.61%	5.85%	32.15%	5.4941	0.12360
038.43	4	4	740.30	1,476.5	740.30	1,476.5	522.01	199.44%	1,476.3	31.820	1,476.6	199.42%	4.30%	199.46%	46.406	22.583
038.52	1		1.9545													
038.53	1		2.0250													
039.31	1		5.1000													
039.41	1		2.7915													
039.42	2	2	2.8275	0.73893												
039.43	1		1.9900													
039.52	1		2.9090													
039.53	1		2.4720													
040.42	1		4.0400													
040.43	1		3.4700													
041.42	1		0.00000													
041.43	1		2.0950													
051.00	8	7	60.215	10.401	58.125	4.0752	1.0892	7.01%	10.377	1.0087	10.425	17.23%	1.68%	17.31%	10.336	1.2595
051.03	8	8	58.193	18.913	55.015	8.4903	2.1226	15.43%	18.817	2.6889	19.008	32.34%	4.62%	32.66%	7.0692	2.7500
051.99	1		30.870													
074.00	2	2	11.662	1.1476												
074.99	1		100.79													
082.00	1		73.975													
082.01	6	5	0.00762	0.00147	0.00762	0.00147	0.00047	19.32%	0.00143	0.00049	0.00151	18.79%	6.40%	19.85%	3.1000	0.00040
082.02	1		0.00985													
088.99	1		0.69500													
101.02	3	3	1,702.1	1,658.9	1,702.1	1,658.9	677.24	97.46%	1,658.8	29.495	1,659.0	97.45%	1.73%	97.47%	56.247	32.416
101.99	1		926.16													
102.01	2	2	26.498	0.63286												
103.01	1		13.280													
104.00	2	2	5.2423	0.22309												
104.99	1		4.7550													
105.00	2	2	1.4570	0.42002												
105.01	1		1.2115													
106.00	1		0.95000													
106.01	1		0.00000													
106.02	12	12	1.4075	1.5179	0.91657	0.33757	0.06891	36.83%	1.5157	0.11464	1.5201	107.69%	8.15%	108.00%	13.259	0.11961
107.00	2	2	25.618	13.530												
108.01	2	2	0.25850	0.36557												

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108.02	4	4	0.63184	0.33238	0.63184	0.33238	0.11751	52.61%	0.33209	0.01965	0.33267	52.56%	3.11%	52.65%	16.929	0.02528
109.02	12	12	57.492	17.187	54.042	10.884	2.2217	20.14%	17.115	2.2208	17.258	29.77%	3.86%	30.02%	7.7712	2.2261
112.00	2	2	3.3575	2.1531												
113.01	2	2	1.4675	0.37123												
114.01	2	2	0.41725	0.07389												
120.00	12	12	1.0221	0.04768	1.0239	0.04528	0.00924	4.42%	0.04741	0.00714	0.04795	4.64%	0.70%	4.69%	6.7114	0.00823
120.01	1		1.0015													
120.02	2	2	1.0235	0.05020												
120.05	2	2	1.0400	0.00707												
120.99	1		0.96500													
121.00	12	11	1.2490	0.06409	1.2490	0.07268	0.01550	5.82%	0.05695	0.04160	0.07052	4.56%	3.33%	5.65%	1.6954	0.02800
121.02	2	2	1.3104	0.04395												
121.05	2	2	1.3053	0.15450												
121.99	1		1.2050													
122.00	12	12	2.0086	0.12395	1.9982	0.11419	0.02331	5.71%	0.12285	0.02330	0.12504	6.12%	1.16%	6.22%	5.3664	0.02720
122.01	1		2.1400													
122.02	2	2	2.1171	0.07481												
122.05	2	2	1.9605	0.07425												
122.99	1		1.8600													
123.99	1		3.2750													
124.00	13	12	0.32917	0.04326	0.32076	0.02326	0.00475	7.25%	0.04315	0.00445	0.04337	13.11%	1.35%	13.18%	9.7453	0.00493
124.01	1		0.29200													
124.02	2	2	0.35195	0.02482												
124.05	1		0.36000													
124.99	1		0.33000													
125.00	12	12	3.4798	0.14681	3.4886	0.07810	0.01594	2.24%	0.14504	0.03221	0.14857	4.17%	0.93%	4.27%	4.6129	0.03398
125.01	1		3.6560													
125.02	2	2	3.5854	0.04112												
125.05	2	2	3.4418	0.23865												
126.00	12	12	0.88137	0.03475	0.87991	0.03649	0.00745	4.15%	0.03398	0.01030	0.03551	3.86%	1.17%	4.03%	3.4478	0.01091
126.01	1		1.0670													
126.02	2	2	0.94585	0.04900												
126.05	1		0.87250													
126.99	1		0.84000													
127.00	12	11	0.50644	0.02717	0.50644	0.03081	0.00657	6.08%	0.02674	0.00683	0.02760	5.28%	1.35%	5.45%	4.0391	0.00829
127.01	1		0.40450													
127.02	2	2	0.56000	0.07637												
127.05	1		0.49950													

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127.99	1		0.45500													
128.00	12	11	0.84680	0.03987	0.85524	0.02670	0.00569	3.12%	0.03965	0.00596	0.04009	4.68%	0.70%	4.73%	6.7238	0.00752
128.01	1		0.94750													
128.02	2	2	0.93960	0.06986												
128.05	2	2	0.94725	0.03924												
128.99	1		0.87500													
129.00	12	11	1.6695	0.06863	1.6721	0.03808	0.00812	2.28%	0.06771	0.01578	0.06953	4.06%	0.95%	4.16%	4.4049	0.01605
129.01	1		1.6990													
129.02	2	2	1.7653	0.02934												
129.05	2	2	1.7103	0.08096												
129.99	1		1.5800													
130.00	15	14	1.0947	0.06749	1.0855	0.02683	0.00507	2.47%	0.06723	0.00835	0.06775	6.14%	0.76%	6.19%	8.1116	0.00920
130.01	2	2	1.2075	0.06010												
130.02	2	2	1.1680	0.03748												
130.05	4	4	1.1251	0.03773	1.1251	0.03773	0.01334	3.35%	0.03700	0.01045	0.03845	3.29%	0.93%	3.42%	3.6806	0.01225
130.99	1		1.0750													
131.00	13	13	0.37343	0.03301	0.36231	0.01024	0.00201	2.83%	0.03268	0.00657	0.03333	8.75%	1.76%	8.93%	5.0766	0.00753
131.01	1		0.33500													
131.02	2	2	0.38363	0.04579												
131.05	2	2	0.35950	0.07142												
131.99	1		0.36000													
132.00	11	11	0.92017	0.03788	0.92781	0.02651	0.00565	2.86%	0.03693	0.01194	0.03881	4.01%	1.30%	4.22%	3.2517	0.01365
132.01	1		0.95000													
132.02	2	2	0.99305	0.01902												
132.05	2	2	0.97500	0.06859												
132.99	1		0.86000													
133.00	12	11	1.1337	0.05781	1.1363	0.04248	0.00906	3.74%	0.05741	0.00959	0.05821	5.06%	0.85%	5.13%	6.0669	0.01168
133.05	2	2	1.1093	0.04278												
133.99	1		1.0950													
134.00	12	12	0.93665	0.05829	0.94184	0.04888	0.00998	5.19%	0.05699	0.01730	0.05956	6.08%	1.85%	6.36%	3.4421	0.01948
134.01	1		1.0180													
134.02	2	2	0.93698	0.02478												
134.05	2	2	0.96375	0.01450												
134.99	1		0.80000													
135.00	12	11	0.81875	0.03037	0.82133	0.02974	0.00634	3.62%	0.02968	0.00910	0.03105	3.63%	1.11%	3.79%	3.4111	0.00980
135.01	1		0.82050													
135.02	2	2	0.83758	0.01121												
135.05	2	2	0.84625	0.03995												

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135.99	1		0.72500													
136.00	3	3	0.22787	0.03841	0.22787	0.03841	0.01568	16.86%	0.03748	0.01187	0.03932	16.45%	5.21%	17.25%	3.3117	0.01373
136.01	5	5	0.23570	0.01357	0.23570	0.01357	0.00429	5.76%	0.01355	0.00105	0.01359	5.75%	0.44%	5.76%	12.955	0.00140
136.03	1		0.23400													
136.99	2	2	0.25000	0.00000												
137.00	6	6	0.66610	0.03697	0.65601	0.02348	0.00678	3.58%	0.03428	0.01956	0.03947	5.15%	2.94%	5.93%	2.0182	0.02203
137.01	1		0.73350													
137.02	2	2	0.68288	0.05675												
137.05	2	2	0.65875	0.13046												
138.00	12	11	0.93285	0.03996	0.93249	0.03646	0.00777	3.91%	0.03911	0.01160	0.04079	4.19%	1.24%	4.37%	3.5179	0.01129
138.01	1		1.0770													
138.02	2	2	1.0676	0.11448												
138.05	2	2	1.0243	0.13117												
138.99	1		1.0300													
139.02	1		0.01365													
140.01	1		0.04800													