

# AAFCO Check Sample Program

Methods Report

Sort by Method

Proficiency For Individual Methods

Sample # 201222

Senior 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	2	2	0.25500	0.34648												
001.00	12	8	11.039	0.54939	10.912	0.39895	0.09974	3.66%	0.54599	0.08638	0.55278	4.95%	0.78%	5.01%	6.3997	0.08920
001.03	25	25	11.344	0.15792	11.347	0.17370	0.02457	1.53%	0.15752	0.01594	0.15832	1.39%	0.14%	1.40%	9.9340	0.01640
001.05	1		10.920													
001.07	36	35	11.086	0.38431	11.105	0.35832	0.04283	3.23%	0.37059	0.14393	0.39756	3.34%	1.30%	3.59%	2.7622	0.13500
001.08	3	3	11.343	0.08520	11.343	0.08520	0.03478	0.75%		0.13552			1.19%			0.16667
001.99	18	17	10.849	0.72484	10.996	0.40828	0.07002	3.71%	0.71849	0.13539	0.73113	6.62%	1.25%	6.74%	5.4004	0.11059
002.00	6	6	23.268	0.32678	23.280	0.34185	0.09868	1.47%	0.25002	0.29757	0.38867	1.07%	1.28%	1.67%	1.3061	0.36667
002.01	10	9	23.053	0.19461	23.059	0.20685	0.04875	0.90%	0.18175	0.09841	0.20668	0.79%	0.43%	0.90%	2.1003	0.08333
002.02	6	5	22.972	0.13724	22.972	0.13724	0.04340	0.60%	0.08779	0.14918	0.17309	0.38%	0.65%	0.75%	1.1603	0.13314
002.04	4	4	23.698	1.4091	23.698	1.4091	0.49821	5.95%	1.4038	0.17299	1.4144	5.92%	0.73%	5.97%	8.1765	0.19000
002.05	44	43	23.107	0.37805	23.134	0.28792	0.03105	1.24%	0.37256	0.09082	0.38347	1.61%	0.39%	1.66%	4.2221	0.08072
002.06	222	140	23.365	0.31782	23.365	0.26670	0.01594	1.14%	0.29116	0.18022	0.34242	1.25%	0.77%	1.47%	1.9000	0.17451
002.07	1		23.380													
002.08	3	3	23.188	0.25032	23.188	0.25032	0.10219	1.08%	0.24823	0.04564	0.25239	1.07%	0.20%	1.09%	5.5296	0.05000
002.10	4	4	23.060	0.13069	23.060	0.13069	0.04621	0.57%		0.36018			1.56%			0.31450
002.11	8	8	22.807	1.0402	22.807	1.1796	0.29491	5.17%	1.0340	0.16142	1.0465	4.53%	0.71%	4.59%	6.4830	0.16125
002.99	5	5	23.506	1.1440	23.506	1.1440	0.36178	4.87%	1.1372	0.17647	1.1508	4.84%	0.75%	4.90%	6.5215	0.21600
003.00	21	20	5.0438	0.26167	5.0639	0.24068	0.03805	4.75%	0.25422	0.08770	0.26892	5.04%	1.74%	5.33%	3.0664	0.09665
003.01	1		4.7000													
003.06	20	19	4.9581	0.28982	5.0037	0.12393	0.02010	2.48%	0.28547	0.07075	0.29410	5.76%	1.43%	5.93%	4.1570	0.06842
003.09	28	28	5.1144	0.16233	5.1077	0.16607	0.02219	3.25%	0.15515	0.06748	0.16919	3.03%	1.32%	3.31%	2.5072	0.07074
003.10	37	35	4.9456	0.27007	4.9686	0.14396	0.01721	2.90%	0.26044	0.10110	0.27937	5.27%	2.04%	5.65%	2.7632	0.09003
003.11	9	8	4.6275	0.73670	4.6275	0.83542	0.20885	18.05%	0.73660	0.01696	0.73680	15.92%	0.37%	15.92%	43.454	0.01750
003.12	22	21	5.0933	0.19560	5.0900	0.16975	0.02619	3.34%	0.19327	0.04254	0.19790	3.79%	0.84%	3.89%	4.6522	0.04762
003.13	8	8	4.9662	0.21930	4.9662	0.24869	0.06217	5.01%	0.21690	0.04574	0.22167	4.37%	0.92%	4.46%	4.8459	0.04113
003.14	22	22	4.9689	0.41028	5.0149	0.25488	0.03842	5.08%	0.39856	0.13773	0.42168	8.02%	2.77%	8.49%	3.0616	0.14198

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003.99	11	7	5.5471	0.89166	5.2958	0.45704	0.12215	8.63%	0.88299	0.17546	0.90025	15.92%	3.16%	16.23%	5.1309	0.21714
004.00	26	26	2.6415	0.42316	2.6030	0.23652	0.03280	9.09%	0.41768	0.09595	0.42856	15.81%	3.63%	16.22%	4.4666	0.09360
004.01	2	2	3.6725	0.10253												
004.03	2	2	2.4700	0.21213												
004.06	49	48	2.7799	0.55464	2.7042	0.34024	0.03473	12.58%	0.55070	0.09331	0.55855	19.81%	3.36%	20.09%	5.9859	0.08226
004.07	55	54	2.5920	0.39566	2.5639	0.32481	0.03125	12.67%	0.38387	0.13552	0.40710	14.81%	5.23%	15.71%	3.0039	0.14013
004.11	5	5	3.3510	0.59492	3.3510	0.59492	0.18813	17.75%	0.59359	0.05630	0.59625	17.71%	1.68%	17.79%	10.590	0.07400
004.99	2	2	2.1250	0.10607												
005.00	182	110	5.4305	0.16427	5.4260	0.17467	0.01178	3.22%	0.16000	0.05261	0.16843	2.95%	0.97%	3.10%	3.2013	0.05426
005.02	1		5.5900													
005.05	37	35	5.5441	0.21308	5.5175	0.14162	0.01693	2.57%	0.21250	0.02224	0.21366	3.83%	0.40%	3.85%	9.6053	0.02288
005.11	4	4	6.4963	0.55387	6.4963	0.55387	0.19582	8.53%	0.19469	0.73331	0.75871	3.00%	11.29%	11.68%	1.0346	0.57250
005.99	6	5	5.6310	0.29327	5.6310	0.29327	0.09274	5.21%	0.28096	0.11887	0.30507	4.99%	2.11%	5.42%	2.5665	0.11800
006.00	2	2	7.1648	3.8682												
006.01	1		7.0500													
006.99	2	2	8.9800	0.94045												
008.02	11	11	4.2023	1.0006	3.9206	0.31102	0.06631	7.93%	0.99493	0.15056	1.0063	23.68%	3.58%	23.95%	6.6834	0.15000
008.05	2	2	4.3888	0.51088												
008.08	29	29	3.8469	0.58654	3.8229	0.52702	0.06920	13.79%	0.57731	0.14658	0.59563	15.01%	3.81%	15.48%	4.0636	0.15098
008.99	4	4	4.0038	0.77605	4.0038	0.77605	0.27438	19.38%	0.77364	0.08639	0.77845	19.32%	2.16%	19.44%	9.0113	0.10250
009.04	1		8.9500													
009.07	11	10	8.9345	0.86474	8.9593	0.92763	0.20742	10.35%	0.85960	0.13321	0.86986	9.62%	1.49%	9.74%	6.5300	0.15500
009.09	23	23	8.9308	1.2868	8.8219	0.55473	0.08179	6.29%	1.2678	0.31146	1.3055	14.20%	3.49%	14.62%	4.1916	0.33552
009.99	3	3	10.163	1.3282	10.163	1.3282	0.54223	13.07%	1.3227	0.17098	1.3337	13.01%	1.68%	13.12%	7.8003	0.20000
010.03	5	5	10.709	0.58511	10.709	0.58511	0.18503	5.46%	0.58274	0.07436	0.58747	5.44%	0.69%	5.49%	7.8999	0.09000
010.11	4	4	10.671	0.05105	10.671	0.05105	0.01805	0.48%		0.22740			2.13%			0.18250
010.99	9	7	11.063	0.39587	11.103	0.36859	0.09851	3.32%	0.39129	0.08491	0.40040	3.54%	0.77%	3.62%	4.7156	0.08800
011.01	152	75	11.921	0.33642	11.940	0.30378	0.02480	2.54%	0.28705	0.24811	0.37941	2.41%	2.08%	3.18%	1.5292	0.15829
011.02	3	2	11.830	0.32527	11.830	0.32527	0.16263	2.75%	0.31401	0.12000	0.33615	2.65%	1.01%	2.84%	2.8013	0.12000
011.99	2	2	11.293	0.50558												
012.00	10	10	33.063	1.0106	33.120	0.58892	0.13169	1.78%	0.94103	0.52103	1.0756	2.85%	1.58%	3.25%	2.0645	0.49000
012.03	2	2	30.940	1.2162												
012.04	8	8	32.632	3.5658	32.404	3.6414	0.91034	11.24%	3.5626	0.21645	3.5691	10.92%	0.66%	10.94%	16.489	0.26488
012.11	5	5	31.951	1.9829	31.951	1.9829	0.62704	6.21%	1.9765	0.22430	1.9892	6.19%	0.70%	6.23%	8.8685	0.18200
013.00	14	13	6.0939	0.60634	6.1166	0.63235	0.12401	10.34%	0.59414	0.17112	0.61830	9.75%	2.81%	10.15%	3.6132	0.20031
013.02	100	28	5.9309	0.44318	5.9732	0.36057	0.04818	6.04%	0.42907	0.15690	0.45685	7.23%	2.65%	7.70%	2.9117	0.16561
013.03	1		3.8000													
013.10	13	11	5.5837	0.58236	5.5419	0.29542	0.06298	5.33%	0.57063	0.16447	0.59386	10.22%	2.95%	10.64%	3.6107	0.18323

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013.12	1		5.4000													
013.13	3	3	5.3183	0.47277	5.3183	0.47277	0.19301	8.89%	0.46213	0.14101	0.48317	8.69%	2.65%	9.08%	3.4265	0.17000
015.41	4	4	179.69	15.414	179.69	15.414	5.4496	8.58%	14.183	8.5355	16.553	7.89%	4.75%	9.21%	1.9393	9.4654
015.42	2	2	149.55	74.883												
015.43	4	4	149.15	46.341	149.15	46.341	16.384	31.07%	45.886	9.1613	46.791	30.76%	6.14%	31.37%	5.1075	10.200
016.42	1		0.00000													
017.41	2	2	15.000	1.5910												
017.42	3	3	9.8333	8.5196	9.8333	8.5196	3.4781	86.64%	8.5139	0.43970	8.5253	86.58%	4.47%	86.70%	19.389	0.46667
017.43	4	4	14.780	1.4569	14.780	1.4569	0.51510	9.86%	1.4465	0.24607	1.4673	9.79%	1.66%	9.93%	5.9628	0.25500
017.52	1		14.000													
018.41	2	2	0.12100	0.08344												
018.42	1		0.00000													
018.52	1		0.06000													
019.00	33	32	0.76858	0.03203	0.76699	0.03166	0.00396	4.13%	0.03132	0.00948	0.03272	4.07%	1.23%	4.26%	3.4508	0.00941
019.03	4	4	0.78156	0.01947	0.78156	0.01947	0.00688	2.49%	0.01843	0.00887	0.02046	2.36%	1.13%	2.62%	2.3064	0.01098
019.08	7	7	0.80571	0.07138	0.79341	0.00930	0.00249	1.17%	0.07078	0.01309	0.07198	8.78%	1.63%	8.93%	5.4975	0.01429
019.31	32	31	0.74514	0.08813	0.74911	0.04983	0.00633	6.65%	0.08705	0.01938	0.08919	11.68%	2.60%	11.97%	4.6014	0.02032
019.32	9	9	0.77077	0.03072	0.77066	0.03461	0.00816	4.49%	0.03061	0.00357	0.03082	3.97%	0.46%	4.00%	8.6374	0.00320
019.33	2	2	0.79325	0.00247												
019.41	38	37	0.75569	0.03733	0.75641	0.02910	0.00338	3.85%	0.03614	0.01326	0.03849	4.78%	1.75%	5.09%	2.9030	0.01363
019.42	20	19	0.78260	0.05637	0.77273	0.03973	0.00645	5.14%	0.05534	0.01523	0.05739	7.07%	1.95%	7.33%	3.7693	0.01704
019.43	14	14	0.74575	0.07303	0.75893	0.03521	0.00665	4.64%	0.07040	0.02750	0.07558	9.44%	3.69%	10.13%	2.7485	0.03050
019.52	2	2	0.72925	0.04349												
019.53	3	3	0.75333	0.01429	0.75333	0.01429	0.00584	1.90%	0.01165	0.01172	0.01652	1.55%	1.56%	2.19%	1.4099	0.01600
019.99	5	5	0.77060	0.11432	0.77060	0.11432	0.03615	14.84%	0.11336	0.02097	0.11528	14.71%	2.72%	14.96%	5.4982	0.02280
020.41	2	2	2.4170	0.23617												
020.42	3	3	1.1483	1.0325	1.1483	1.0325	0.42151	89.91%	1.0323	0.02858	1.0327	89.89%	2.49%	89.93%	36.136	0.02333
020.43	2	2	2.1425	0.69650												
020.52	1		0.90000													
020.53	1		2.5500													
021.31	2	2	0.35000	0.49497												
021.34	1		873.50													
021.41	3	3	0.66450	0.14363	0.66450	0.14363	0.05863	21.61%	0.14286	0.02090	0.14438	21.50%	3.15%	21.73%	6.9081	0.02033
021.42	2	2	0.28625	0.40482												
021.43	4	4	0.62250	0.18993	0.62250	0.18993	0.06715	30.51%	0.18831	0.03500	0.19154	30.25%	5.62%	30.77%	5.4726	0.04500
021.52	1		0.31000													
022.31	15	14	138.85	5.1148	139.56	4.4198	0.83527	3.17%	4.9656	1.7339	5.2597	3.58%	1.25%	3.79%	3.0334	2.0136
022.32	4	4	140.29	8.7139	140.29	8.7139	3.0808	6.21%	7.7925	5.5152	9.5467	5.55%	3.93%	6.80%	1.7310	6.5075

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022.33	2	2	140.45	5.0912												
022.41	30	30	138.21	9.6026	137.63	9.0889	1.1734	6.60%	9.2125	3.8317	9.9776	6.67%	2.77%	7.22%	2.6039	4.0470
022.42	18	18	146.26	7.2400	146.08	7.4673	1.2446	5.11%	6.3883	4.8183	8.0017	4.37%	3.29%	5.47%	1.6607	4.9767
022.43	13	12	141.98	8.3492	141.98	9.4680	1.9326	6.67%	7.9834	3.4568	8.6996	5.62%	2.43%	6.13%	2.5166	3.8300
022.52	1		130.00													
022.53	2	2	137.25	4.5962												
022.99	1		88.500													
025.31	13	13	374.54	54.906	383.06	22.754	4.4624	5.94%	54.641	7.6189	55.170	14.59%	2.03%	14.73%	7.2411	8.0800
025.32	5	5	403.24	19.665	403.24	19.665	6.2187	4.88%	15.632	16.874	23.002	3.88%	4.18%	5.70%	1.3632	19.274
025.33	2	2	368.27	3.7194												
025.41	30	29	367.70	24.414	368.83	14.465	1.8994	3.92%	23.495	9.3816	25.299	6.39%	2.55%	6.88%	2.6967	9.2305
025.42	17	17	361.31	38.097	365.13	28.111	4.8211	7.70%	36.621	14.851	39.518	10.14%	4.11%	10.94%	2.6609	17.725
025.43	11	10	364.24	36.367	360.91	33.585	7.5098	9.31%	35.521	11.032	37.194	9.75%	3.03%	10.21%	3.3715	11.443
025.52	1		235.00													
025.53	1		350.00													
025.99	1		302.00													
026.31	1		1.2000													
026.42	1		0.00000													
026.52	1		0.13500													
027.31	12	12	0.18712	0.01492	0.18946	0.01111	0.00227	5.86%	0.01359	0.00872	0.01615	7.26%	4.66%	8.63%	1.8519	0.00936
027.32	6	5	0.19573	0.00587	0.19573	0.00587	0.00186	3.00%	0.00587	0.00003	0.00587	3.00%	0.02%	3.00%	185.51	0.00002
027.33	1		0.16630													
027.34	1		0.18750													
027.41	25	25	0.19150	0.01023	0.19071	0.00956	0.00135	5.01%	0.00934	0.00590	0.01104	4.88%	3.08%	5.77%	1.8729	0.00497
027.42	17	17	0.19647	0.01387	0.19380	0.00823	0.00141	4.25%	0.01332	0.00547	0.01440	6.78%	2.79%	7.33%	2.6303	0.00532
027.43	10	10	0.19050	0.01341	0.18835	0.01010	0.00226	5.36%	0.01262	0.00641	0.01416	6.63%	3.37%	7.43%	2.2084	0.00600
027.52	1		0.19500													
027.53	1		0.18700													
027.99	1		0.15000													
028.31	12	12	77.288	7.6278	75.872	2.6270	0.53624	3.46%	7.4346	2.4127	7.8163	9.62%	3.12%	10.11%	3.2396	2.3017
028.32	4	4	75.234	4.3297	75.234	4.3297	1.5308	5.76%	4.0286	2.2436	4.6112	5.35%	2.98%	6.13%	2.0553	2.5675
028.33	2	2	76.205	5.1124												
028.41	30	29	74.083	4.9742	73.967	2.4806	0.32572	3.35%	4.6060	2.6564	5.3171	6.22%	3.59%	7.18%	2.0016	2.9217
028.42	19	19	78.210	5.0033	78.210	5.6737	0.92040	7.25%	3.4662	5.1026	6.1685	4.43%	6.52%	7.89%	1.2089	5.4089
028.43	13	13	75.906	5.0566	76.179	5.1207	1.0043	6.72%	4.5645	3.0772	5.5048	6.01%	4.05%	7.25%	1.7889	3.8912
028.52	1		75.500													
028.53	2	2	74.800	0.21213												
029.99	2	2	0.00063	0.00088												

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031.00	1		0.63935													
031.01	67	65	0.56664	0.02816	0.56766	0.02272	0.00199	4.00%	0.02736	0.00938	0.02893	4.83%	1.65%	5.10%	3.0848	0.00908
031.02	3	3	0.56563	0.01254	0.56563	0.01254	0.00512	2.22%	0.01240	0.00261	0.01267	2.19%	0.46%	2.24%	4.8505	0.00213
031.03	8	8	0.55385	0.02404	0.55198	0.01916	0.00479	3.47%	0.02221	0.01301	0.02574	4.01%	2.35%	4.65%	1.9789	0.01450
031.06	2	2	0.60250	0.01768												
031.41	38	38	0.56005	0.02266	0.56009	0.02011	0.00231	3.59%	0.02163	0.00956	0.02364	3.86%	1.71%	4.22%	2.4741	0.01084
031.42	21	20	0.56420	0.03048	0.56054	0.02079	0.00329	3.71%	0.02820	0.01635	0.03260	5.00%	2.90%	5.78%	1.9935	0.01565
031.43	12	12	0.56133	0.04288	0.55549	0.02374	0.00485	4.27%	0.04075	0.01885	0.04490	7.26%	3.36%	8.00%	2.3814	0.01950
031.53	4	4	0.60138	0.08130	0.60138	0.08130	0.02874	13.52%	0.08091	0.01130	0.08169	13.45%	1.88%	13.58%	7.2311	0.01475
031.99	5	5	0.56970	0.04911	0.56970	0.04911	0.01553	8.62%	0.04697	0.02025	0.05115	8.25%	3.55%	8.98%	2.5260	0.01820
032.02	4	4	1.0533	0.11608	1.0533	0.11608	0.04104	11.02%	0.11444	0.02753	0.11770	10.87%	2.61%	11.18%	4.2759	0.03750
032.31	16	16	1.0619	0.10435	1.0732	0.08590	0.01519	8.00%	0.10157	0.03387	0.10707	9.56%	3.19%	10.08%	3.1615	0.03054
032.32	3	3	1.1050	0.04924	1.1050	0.04924	0.02010	4.46%	0.04882	0.00913	0.04967	4.42%	0.83%	4.49%	5.4406	0.01000
032.33	1		1.1395													
032.41	26	25	1.0792	0.04429	1.0833	0.03981	0.00563	3.67%	0.03835	0.03132	0.04952	3.55%	2.90%	4.59%	1.5809	0.03239
032.42	19	18	1.1073	0.05933	1.1089	0.05379	0.00897	4.85%	0.05767	0.01972	0.06095	5.21%	1.78%	5.50%	3.0911	0.02203
032.43	11	11	1.0791	0.05074	1.0789	0.05720	0.01219	5.30%	0.04728	0.02603	0.05397	4.38%	2.41%	5.00%	2.0736	0.02655
032.52	1		1.0500													
032.53	1		1.1650													
032.99	1		0.95500													
033.00	44	42	0.58346	0.07094	0.57770	0.05099	0.00556	8.83%	0.07032	0.01322	0.07155	12.05%	2.27%	12.26%	5.4134	0.01217
033.01	38	36	0.64483	0.02671	0.64354	0.02057	0.00242	3.20%	0.02558	0.01087	0.02779	3.97%	1.69%	4.31%	2.5560	0.00987
033.03	8	8	0.60700	0.07707	0.60271	0.07958	0.01990	13.20%	0.07204	0.03873	0.08179	11.87%	6.38%	13.47%	2.1118	0.04250
033.05	4	4	0.59888	0.04389	0.59888	0.04389	0.01552	7.33%	0.04366	0.00637	0.04413	7.29%	1.06%	7.37%	6.9229	0.00875
033.99	10	9	0.57950	0.05744	0.57950	0.06514	0.01535	11.24%	0.05553	0.02078	0.05929	9.58%	3.59%	10.23%	2.8538	0.01833
034.01	1		0.45050													
034.04	8	7	0.43604	0.04154	0.44047	0.03633	0.00971	8.25%	0.04019	0.01489	0.04286	9.22%	3.41%	9.83%	2.8788	0.01320
034.34	1		0.62830													
034.41	1		2.8950													
034.42	1		0.00000													
034.43	1		0.32150													
034.52	2	2	0.51625	0.02298												
034.53	2	2	0.46525	0.11985												
034.99	3	3	0.46813	0.14879	0.46813	0.14879	0.06075	31.78%	0.14856	0.01179	0.14903	31.73%	2.52%	31.83%	12.639	0.01360
035.01	3	3	0.25567	0.01779	0.25567	0.01779	0.00726	6.96%	0.01774	0.00183	0.01783	6.94%	0.71%	6.97%	9.7673	0.00200
035.05	8	7	0.23991	0.01705	0.24590	0.00948	0.00253	3.85%	0.01647	0.00622	0.01761	6.87%	2.59%	7.34%	2.8330	0.00597
035.31	20	19	0.23657	0.02871	0.23693	0.02260	0.00367	9.54%	0.02769	0.01076	0.02971	11.70%	4.55%	12.56%	2.7595	0.01092
035.32	6	5	0.23241	0.03285	0.23241	0.03285	0.01039	14.13%	0.03284	0.00113	0.03286	14.13%	0.49%	14.14%	28.987	0.00094

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)
035.33	1		0.23600													
035.41	34	32	0.23378	0.01339	0.23346	0.01202	0.00150	5.15%	0.01271	0.00597	0.01404	5.44%	2.55%	6.01%	2.3531	0.00610
035.42	18	18	0.23546	0.01969	0.23441	0.01708	0.00285	7.29%	0.01924	0.00596	0.02014	8.17%	2.53%	8.55%	3.3789	0.00622
035.43	11	11	0.22718	0.01540	0.22718	0.01746	0.00372	7.69%	0.01471	0.00642	0.01605	6.48%	2.83%	7.07%	2.4988	0.00727
035.52	1		0.24000													
035.53	3	3	0.22817	0.00597	0.22817	0.00597	0.00244	2.61%	0.00518	0.00418	0.00666	2.27%	1.83%	2.92%	1.5916	0.00433
035.99	2	2	0.27000	0.00707												
036.00	1		0.31500													
036.04	2	2	0.28500	0.02828												
036.42	15	15	0.25866	0.01840	0.26025	0.01706	0.00311	6.55%	0.01748	0.00812	0.01928	6.76%	3.14%	7.45%	2.3734	0.00813
036.43	8	8	0.26956	0.01501	0.26585	0.00667	0.00167	2.51%	0.01446	0.00570	0.01554	5.36%	2.11%	5.76%	2.7280	0.00638
036.99	1		0.20000													
037.31	17	16	298.95	23.207	301.45	15.011	2.6536	4.98%	22.829	5.9011	23.579	7.64%	1.97%	7.89%	3.9957	6.5815
037.32	4	4	305.21	18.656	305.21	18.656	6.5958	6.11%	17.519	9.0675	19.727	5.74%	2.97%	6.46%	2.1755	8.8825
037.33	2	2	318.81	0.68943												
037.41	35	33	315.15	22.045	312.68	13.880	1.7085	4.44%	21.345	7.7904	22.722	6.77%	2.47%	7.21%	2.9167	8.2702
037.42	17	17	311.79	16.537	312.08	17.690	3.0338	5.67%	14.750	10.573	18.148	4.73%	3.39%	5.82%	1.7164	10.843
037.43	14	14	314.96	27.750	316.37	28.112	5.3126	8.89%	26.428	11.968	29.011	8.39%	3.80%	9.21%	2.4241	12.966
037.52	2	2	298.75	33.588												
037.53	3	3	291.00	23.880	291.00	23.880	9.7489	8.21%	22.929	9.4340	24.794	7.88%	3.24%	8.52%	2.6282	10.000
037.99	2	2	288.15	12.233												
038.34	1		1.9420													
038.41	3	3	4.1235	0.27751	4.1235	0.27751	0.11329	6.73%	0.25639	0.15018	0.29713	6.22%	3.64%	7.21%	1.9786	0.15533
038.42	4	4	4.7454	0.45467	4.7454	0.45467	0.16075	9.58%	0.44578	0.12652	0.46338	9.39%	2.67%	9.76%	3.6627	0.14175
038.43	7	7	4.4614	0.77801	4.4774	0.85478	0.22845	19.09%	0.76263	0.21775	0.79310	17.09%	4.88%	17.78%	3.6423	0.23143
039.31	1		2.4750													
039.41	1		2.7878													
039.42	2	2	2.7410	0.63781												
039.43	1		2.0750													
039.52	1		2.1500													
040.42	1		2.7300													
040.52	1		2.5000													
041.42	1		0.00000													
050.01	12	12	0.00537	0.00080	0.00530	0.00054	0.00011	10.25%	0.00080	0.00013	0.00081	14.87%	2.37%	15.06%	6.3452	0.00014
057.99	1		0.00055													
101.02	1		928.50													
101.99	1		962.48													
102.01	1		51.756													

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)
102.99	1		0.01000													
103.01	2	2	45.621	2.2564												
104.00	3	3	7.3113	1.0813	7.3113	1.0813	0.44144	14.79%	0.97030	0.67485	1.1819	13.27%	9.23%	16.17%	1.7514	0.66147
104.03	1		6.4550													
104.99	1		7.0250													
105.00	2	2	2.5725	1.0783												
105.01	3	3	2.2230	0.92529	2.2230	0.92529	0.37775	41.62%	0.91942	0.14709	0.93111	41.36%	6.62%	41.89%	6.3300	0.16657
106.00	1		8.6250													
106.01	1		6.6750													
106.02	17	16	6.5308	1.9895	6.8046	1.5657	0.27678	23.01%	1.8474	1.0442	2.1221	28.29%	15.99%	32.49%	2.0322	0.91481
107.00	2	2	27.101	2.0499												
107.99	1		27.210													
108.01	3	3	0.85262	0.16433	0.85262	0.16433	0.06709	19.27%	0.15175	0.08919	0.17602	17.80%	10.46%	20.64%	1.9736	0.08943
108.02	5	5	8.1376	16.419	8.1376	16.419	5.1921	201.76%	16.393	1.3097	16.445	201.44%	16.09%	202.09%	12.556	0.86600
109.00	1		164.00													
109.02	13	13	201.16	26.936	202.01	27.469	5.3871	13.60%	26.581	6.1632	27.286	13.21%	3.06%	13.56%	4.4272	6.6229
112.00	2	2	11.625	1.3789												
112.99	1		9.5500													
113.01	2	2	3.7500	0.04950												
113.99	1		3.0000													
114.01	2	2	0.33775	0.00318												
120.00	17	16	1.1099	0.04967	1.1167	0.03995	0.00706	3.58%	0.04843	0.01559	0.05088	4.36%	1.40%	4.58%	3.2644	0.01719
120.02	2	2	1.0826	0.05526												
120.05	2	2	1.1030	0.00990												
121.00	17	17	1.5578	0.07864	1.5646	0.07184	0.01232	4.59%	0.07753	0.01864	0.07974	4.98%	1.20%	5.12%	4.2768	0.02299
121.01	1		1.6860													
121.02	2	2	1.5842	0.02867												
121.05	2	2	1.5340	0.02970												
122.00	17	17	2.3620	0.12847	2.3800	0.08983	0.01540	3.77%	0.12710	0.02646	0.12982	5.38%	1.12%	5.50%	4.9061	0.03171
122.01	1		2.4605													
122.02	2	2	2.4120	0.04596												
122.05	2	2	2.2505	0.14071												
123.99	1		3.7050													
124.00	15	14	0.38938	0.05635	0.38189	0.02751	0.00520	7.20%	0.05628	0.00394	0.05642	14.45%	1.01%	14.49%	14.336	0.00455
124.01	1		0.34800													
124.02	3	3	0.40280	0.04199	0.40280	0.04199	0.01714	10.43%	0.04123	0.01123	0.04274	10.24%	2.79%	10.61%	3.8048	0.01453
124.05	1		0.38000													
125.00	16	16	4.1368	0.16789	4.1720	0.10570	0.01868	2.53%	0.16655	0.02987	0.16921	4.03%	0.72%	4.09%	5.6642	0.02916

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)
125.01	1		4.4400													
125.02	2	2	4.1913	0.02369												
125.05	2	2	3.8428	0.05339												
126.00	17	17	0.98251	0.04084	0.98571	0.03780	0.00648	3.83%	0.03987	0.01254	0.04179	4.06%	1.28%	4.25%	3.3338	0.01499
126.01	1		1.1245													
126.02	2	2	1.0440	0.02411												
126.05	2	2	0.99800	0.01131												
127.00	17	16	0.61616	0.03722	0.62061	0.02835	0.00501	4.57%	0.03696	0.00625	0.03748	6.00%	1.01%	6.08%	6.0000	0.00781
127.01	1		0.55950													
127.02	2	2	0.66740	0.07227												
127.05	2	2	0.63200	0.03818												
128.00	17	17	0.95681	0.04582	0.95915	0.04621	0.00792	4.82%	0.04466	0.01448	0.04694	4.67%	1.51%	4.91%	3.2426	0.01409
128.01	1		1.1360													
128.02	2	2	1.0276	0.05013												
128.05	2	2	0.99900	0.03394												
129.00	17	17	1.8925	0.08016	1.8962	0.05700	0.00978	3.01%	0.07915	0.01792	0.08116	4.18%	0.95%	4.29%	4.5300	0.02073
129.01	1		1.9435													
129.02	2	2	1.9329	0.01785												
129.05	2	2	1.8753	0.03571												
130.00	20	19	1.3060	0.06237	1.3127	0.04178	0.00678	3.18%	0.06152	0.01451	0.06321	4.71%	1.11%	4.84%	4.3573	0.01424
130.01	2	2	1.4228	0.05975												
130.02	2	2	1.3382	0.01718												
130.05	4	4	1.3593	0.04924	1.3593	0.04924	0.01741	3.62%	0.04289	0.03420	0.05486	3.16%	2.52%	4.04%	1.6040	0.03850
130.99	1		1.2600													
131.00	17	16	0.38584	0.04472	0.38268	0.02159	0.00382	5.64%	0.04440	0.00750	0.04503	11.51%	1.94%	11.67%	6.0022	0.00660
131.01	1		0.35100													
131.02	3	3	0.38633	0.02615	0.38633	0.02615	0.01068	6.77%	0.02577	0.00636	0.02654	6.67%	1.65%	6.87%	4.1706	0.00720
131.05	2	2	0.33925	0.08591												
132.00	17	17	1.1135	0.08066	1.1204	0.04614	0.00791	4.12%	0.07978	0.01681	0.08153	7.17%	1.51%	7.32%	4.8503	0.01789
132.01	1		1.1770													
132.02	2	2	1.1794	0.00799												
132.05	2	2	1.1358	0.00813												
133.00	17	16	1.3298	0.09073	1.3265	0.06240	0.01103	4.70%	0.09014	0.01457	0.09131	6.78%	1.10%	6.87%	6.2657	0.01618
133.05	3	3	1.3830	0.05112	1.3830	0.05112	0.02087	3.70%	0.04989	0.01578	0.05232	3.61%	1.14%	3.78%	3.3159	0.01933
134.00	17	17	1.1111	0.06802	1.1175	0.05812	0.00997	5.20%	0.06477	0.02937	0.07112	5.83%	2.64%	6.40%	2.4211	0.02844
134.01	1		1.2055													
134.02	2	2	1.0839	0.01496												
134.05	2	2	1.1653	0.09935												



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 %r/sd	Reproducibility %RSD	sR/sr	Average Range (R-bar)
135.00	17	17	0.88026	0.03331	0.88984	0.01238	0.00212	1.39%	0.03126	0.01628	0.03525	3.55%	1.85%	4.00%	2.1651	0.01664
135.01	1		0.88800													
135.02	2	2	0.89010	0.00863												
135.05	2	2	0.85100	0.08344												
136.00	5	5	0.25490	0.04697	0.25490	0.04697	0.01485	18.43%	0.04527	0.01770	0.04861	17.76%	6.94%	19.07%	2.7466	0.02012
136.01	6	5	0.27820	0.02678	0.27820	0.02678	0.00847	9.63%	0.02678	0.00045	0.02678	9.63%	0.16%	9.63%	59.893	0.00040
136.03	1		0.28150													
136.99	2	2	0.29675	0.00460												
137.00	11	11	0.77020	0.07663	0.76685	0.04083	0.00871	5.32%	0.07573	0.01657	0.07752	9.83%	2.15%	10.07%	4.6772	0.01801
137.01	1		0.88200													
137.02	2	2	0.79733	0.07591												
137.05	2	2	0.72700	0.18102												
138.00	17	17	1.0796	0.06234	1.0812	0.05173	0.00887	4.78%	0.06096	0.01850	0.06370	5.65%	1.71%	5.90%	3.4443	0.01909
138.01	1		1.3140													
138.02	2	2	1.2090	0.09970												
138.05	2	2	1.0825	0.00354												
139.00	1		0.01000													
139.02	1		0.00000													
140.01	1		0.00400													
141.00	2	2	0.02475	0.00389												
142.00	1		0.01200													
150.00	7	6	1,237.1	339.71	1,192.4	286.14	82.602	24.00%	339.47	18.150	339.95	27.44%	1.47%	27.48%	18.730	17.503
150.99	2	2	1,054.5	50.205												
300.07	2	2	3.0250	0.60104												