

AAFCO Check Sample Program

Methods Report

Sort by Method

Proficiency For Individual Methods

Sample # 201130

Chick Starter/Grower, 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		0.70000													
001.00	13	10	9.2956	0.72056	9.3194	0.75637	0.16913	8.12%	0.69896	0.24761	0.74153	7.52%	2.66%	7.98%	2.9947	0.22531
001.03	20	20	9.5598	0.27855	9.5845	0.24932	0.03942	2.60%	0.27789	0.02697	0.27920	2.91%	0.28%	2.92%	10.351	0.02850
001.05	1		9.4900													
001.07	36	35	9.4634	0.49867	9.4979	0.31899	0.03813	3.36%	0.49160	0.11832	0.50564	5.19%	1.25%	5.34%	4.2736	0.10951
001.08	2	2	9.5700	0.25456												
001.99	20	19	9.1850	0.66146	9.2608	0.59436	0.09642	6.42%	0.65949	0.07218	0.66343	7.18%	0.79%	7.22%	9.1909	0.07758
002.00	8	8	20.325	0.96965	20.083	0.43915	0.10979	2.19%	0.96434	0.14335	0.97494	4.74%	0.71%	4.80%	6.8010	0.18750
002.01	13	13	19.811	0.27164	19.811	0.30804	0.06041	1.55%	0.26197	0.10158	0.28098	1.32%	0.51%	1.42%	2.7660	0.10358
002.02	7	6	19.400	0.82096	19.615	0.45224	0.13055	2.31%	0.79659	0.28078	0.84462	4.11%	1.45%	4.35%	3.0081	0.24412
002.03	1		19.505													
002.04	6	5	19.147	0.56997	19.147	0.56997	0.18024	2.98%	0.53967	0.25933	0.59874	2.82%	1.35%	3.13%	2.3088	0.23000
002.05	38	37	19.909	0.24093	19.927	0.19364	0.02251	0.97%	0.23392	0.08158	0.24773	1.17%	0.41%	1.24%	3.0367	0.07911
002.06	231	145	20.062	0.48643	20.109	0.25631	0.01505	1.27%	0.47642	0.13886	0.49624	2.37%	0.69%	2.47%	3.5738	0.13890
002.07	1		19.840													
002.08	3	3	20.050	0.13257	20.050	0.13257	0.05412	0.66%	0.11564	0.09169	0.14758	0.58%	0.46%	0.74%	1.6095	0.10700
002.10	6	6	19.686	0.35109	19.686	0.39814	0.11493	2.02%	0.32430	0.19025	0.37598	1.65%	0.97%	1.91%	1.9763	0.21917
002.11	11	10	19.378	0.73696	19.334	0.47859	0.10702	2.48%	0.72932	0.14967	0.74452	3.76%	0.77%	3.84%	4.9743	0.17630
002.99	3	3	19.568	0.35058	19.568	0.35058	0.14312	1.79%	0.21710	0.38929	0.44574	1.11%	1.99%	2.28%	1.1450	0.35000
003.00	24	23	4.0494	0.34256	4.0762	0.22590	0.03331	5.54%	0.33951	0.06443	0.34557	8.38%	1.59%	8.53%	5.3636	0.06562
003.01	1		3.0900													
003.06	19	18	3.9644	0.12551	3.9839	0.08428	0.01405	2.12%	0.12060	0.04916	0.13023	3.04%	1.24%	3.29%	2.6492	0.05000
003.09	28	27	3.9986	0.15168	3.9924	0.08406	0.01144	2.11%	0.14676	0.05419	0.15645	3.67%	1.36%	3.91%	2.8871	0.05658
003.10	39	38	3.8753	0.27463	3.9120	0.20207	0.02318	5.17%	0.26111	0.12035	0.28751	6.74%	3.11%	7.42%	2.3890	0.10901
003.11	10	9	3.9783	0.68173	3.8924	0.49836	0.11746	12.80%	0.68123	0.03704	0.68223	17.12%	0.93%	17.15%	18.417	0.03889
003.12	20	19	4.0555	0.21268	4.0726	0.19746	0.03203	4.85%	0.20833	0.06050	0.21694	5.14%	1.49%	5.35%	3.5857	0.06789
003.13	6	6	3.9519	0.10997	3.9259	0.07806	0.02253	1.99%	0.09876	0.06839	0.12013	2.50%	1.73%	3.04%	1.7566	0.08083

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003.14	25	25	4.1538	1.3175	3.9842	0.33449	0.04730	8.40%	1.3120	0.17096	1.3231	31.59%	4.12%	31.85%	7.7393	0.18416
003.99	12	7	4.1482	0.41373	4.1105	0.08797	0.02351	2.14%	0.40049	0.14685	0.42657	9.65%	3.54%	10.28%	2.9047	0.13786
004.00	23	22	3.3698	0.53878	3.2832	0.35411	0.05338	10.79%	0.53577	0.08033	0.54176	15.90%	2.38%	16.08%	6.7445	0.08955
004.01	2	2	4.3275	0.67529												
004.03	2	2	3.7850	0.02828												
004.06	48	47	3.4648	0.43767	3.4434	0.43742	0.04512	12.70%	0.43396	0.08041	0.44134	12.52%	2.32%	12.74%	5.4885	0.08275
004.07	53	52	3.1654	0.35484	3.1447	0.31175	0.03057	9.91%	0.34823	0.09639	0.36133	11.00%	3.05%	11.41%	3.7486	0.10243
004.11	7	7	3.6434	0.59243	3.4870	0.38398	0.10262	11.01%	0.58990	0.07722	0.59494	16.19%	2.12%	16.33%	7.7041	0.09814
004.99	3	3	2.9350	0.24784	2.9350	0.24784	0.10118	8.44%	0.23654	0.10464	0.25865	8.06%	3.57%	8.81%	2.4718	0.14333
005.00	190	117	5.9375	0.13195	5.9417	0.11942	0.00781	2.01%	0.12606	0.05516	0.13759	2.12%	0.93%	2.32%	2.4947	0.05647
005.01	1		5.0650													
005.02	1		6.0550													
005.03	1		5.7500													
005.05	30	29	6.0059	0.20113	5.9893	0.12128	0.01593	2.02%	0.19919	0.03941	0.20305	3.32%	0.66%	3.38%	5.1519	0.04290
005.11	6	6	5.1983	0.96482	5.2633	0.96662	0.27904	18.37%	0.96206	0.10312	0.96757	18.51%	1.98%	18.61%	9.3831	0.10333
005.99	12	11	6.0236	0.09751	6.0293	0.08498	0.01812	1.41%	0.08867	0.05738	0.10561	1.47%	0.95%	1.75%	1.8407	0.07136
006.00	1		2.7500													
006.01	1		4.9000													
006.99	3	3	5.0133	1.2468	5.0133	1.2468	0.50899	24.87%	1.1691	0.61240	1.3198	23.32%	12.22%	26.33%	2.1552	0.50667
008.02	12	12	4.7904	0.50109	4.6688	0.27377	0.05588	5.86%	0.48305	0.18840	0.51849	10.08%	3.93%	10.82%	2.7520	0.19917
008.05	2	2	4.9948	0.57311												
008.08	33	32	4.5068	0.53488	4.4932	0.48905	0.06113	10.88%	0.52655	0.13300	0.54309	11.68%	2.95%	12.05%	4.0834	0.13804
008.99	5	5	4.4194	0.98217	4.4194	0.98217	0.31059	22.22%	0.97847	0.12041	0.98585	22.14%	2.72%	22.31%	8.1875	0.13760
009.04	1		13.660													
009.07	10	10	12.849	1.0452	12.849	1.1852	0.26502	9.22%	1.0292	0.25705	1.0608	8.01%	2.00%	8.26%	4.1270	0.27870
009.09	27	26	11.969	0.69079	11.957	0.70875	0.09829	5.93%	0.67363	0.21642	0.70754	5.63%	1.81%	5.91%	3.2693	0.23246
009.99	5	5	12.597	2.2246	12.597	2.2246	0.70347	17.66%	2.2207	0.18590	2.2285	17.63%	1.48%	17.69%	11.987	0.20800
010.03	3	3	8.0689	2.0155	8.0689	2.0155	0.82282	24.98%	2.0151	0.05301	2.0158	24.97%	0.66%	24.98%	38.026	0.05953
010.11	8	7	9.9536	0.64862	9.9536	0.73554	0.19658	7.39%	0.64568	0.08730	0.65156	6.49%	0.88%	6.55%	7.4633	0.06429
010.99	12	12	9.4872	0.27178	9.4865	0.30670	0.06261	3.23%	0.25252	0.14211	0.28976	2.66%	1.50%	3.05%	2.0390	0.13867
011.01	159	78	10.172	0.42122	10.236	0.27017	0.02163	2.64%	0.41646	0.08932	0.42593	4.09%	0.88%	4.19%	4.7688	0.09060
011.02	3	2	10.345	0.16971	10.345	0.16971	0.08485	1.64%	0.11169	0.18069	0.21243	1.08%	1.75%	2.05%	1.1756	0.22000
011.99	2	2	9.3075	1.1915												
012.00	9	9	40.141	3.0140	40.512	2.5784	0.60775	6.36%	2.9942	0.48773	3.0337	7.46%	1.22%	7.56%	6.2201	0.55778
012.01	2	2	36.038	3.3764												
012.03	4	4	38.840	3.4092	38.840	3.4092	1.2053	8.78%	3.4047	0.24718	3.4137	8.77%	0.64%	8.79%	13.810	0.26000
012.04	6	5	39.705	2.2894	39.705	2.2894	0.72399	5.77%	2.2854	0.19280	2.2935	5.76%	0.49%	5.78%	11.896	0.21000
012.11	4	4	40.109	0.60298	40.109	0.60298	0.21319	1.50%	0.59048	0.17274	0.61523	1.47%	0.43%	1.53%	3.5617	0.23250

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012.99	1		25.695													
013.00	14	14	4.9913	0.37779	4.9581	0.34150	0.06454	6.89%	0.31263	0.29996	0.43326	6.26%	6.01%	8.68%	1.4444	0.29476
013.02	102	30	5.0114	0.42570	5.0118	0.39045	0.05041	7.79%	0.41659	0.12388	0.43462	8.31%	2.47%	8.67%	3.5085	0.12326
013.03	1		3.5000													
013.10	13	12	4.6513	0.64358	4.4794	0.25296	0.05163	5.65%	0.63884	0.11027	0.64829	13.73%	2.37%	13.94%	5.8790	0.11783
013.11	2	2	3.8055	0.48720												
013.12	3	1	4.5000		3.8055	0.48720	0.34450	12.80%		0.00000			0.00%			0.00000
013.13	3	3	5.0517	0.63797	5.0517	0.63797	0.26045	12.63%	0.63093	0.13373	0.64494	12.49%	2.65%	12.77%	4.8228	0.18333
015.41	5	5	139.93	14.616	139.93	14.616	4.6219	10.45%	14.468	2.9340	14.762	10.34%	2.10%	10.55%	5.0315	3.6179
015.42	3	3	95.082	25.481	95.082	25.481	10.403	26.80%	25.003	6.9461	25.950	26.30%	7.31%	27.29%	3.7360	7.5767
015.43	3	3	125.95	26.012	125.95	26.012	10.619	20.65%	25.844	4.1683	26.178	20.52%	3.31%	20.78%	6.2802	5.5000
015.52	1		144.26													
015.53	1		93.000													
016.42	1		0.00000													
016.43	1		0.05500													
016.53	1		0.00000													
016.99	1		0.07550													
017.41	2	2	8.2250	0.70711												
017.42	5	5	8.0460	4.6095	8.0460	4.6095	1.4576	57.29%	4.4981	1.4245	4.7182	55.90%	17.70%	58.64%	3.3121	1.5600
017.43	3	3	9.1217	1.0024	9.1217	1.0024	0.40924	10.99%	0.99157	0.20805	1.0132	10.87%	2.28%	11.11%	4.8699	0.21000
017.53	1		8.9500													
018.41	2	2	0.05850	0.01626												
018.42	1		0.04820													
018.52	1		0.05900													
018.53	2	2	0.03843	0.00202												
019.00	30	30	1.0915	0.09930	1.0806	0.05034	0.00650	4.66%	0.09814	0.02143	0.10045	8.99%	1.96%	9.20%	4.6874	0.02269
019.03	6	6	1.0819	0.06014	1.0819	0.06820	0.01969	6.30%	0.05701	0.02708	0.06311	5.27%	2.50%	5.83%	2.3305	0.03017
019.08	9	9	1.1031	0.05912	1.1031	0.06704	0.01580	6.08%	0.05730	0.02062	0.06089	5.19%	1.87%	5.52%	2.9530	0.02380
019.31	29	27	1.0880	0.05515	1.0832	0.04521	0.00615	4.17%	0.05248	0.02401	0.05771	4.82%	2.21%	5.30%	2.4033	0.02384
019.32	10	10	1.0830	0.03816	1.0843	0.04087	0.00914	3.77%	0.03784	0.00697	0.03847	3.49%	0.64%	3.55%	5.5229	0.00819
019.33	3	3	1.0627	0.05352	1.0627	0.05352	0.02185	5.04%	0.05275	0.01281	0.05428	4.96%	1.21%	5.11%	4.2386	0.01733
019.41	44	43	1.0933	0.04937	1.0972	0.03856	0.00416	3.51%	0.04748	0.01913	0.05119	4.34%	1.75%	4.68%	2.6760	0.02037
019.42	23	22	1.1139	0.05828	1.1133	0.06058	0.00913	5.44%	0.05586	0.02351	0.06060	5.01%	2.11%	5.44%	2.5776	0.02364
019.43	11	11	1.0997	0.08384	1.1106	0.04595	0.00980	4.14%	0.08225	0.02298	0.08540	7.48%	2.09%	7.77%	3.7169	0.02736
019.52	1		0.99980													
019.53	3	3	1.1298	0.06116	1.1298	0.06116	0.02497	5.41%	0.05183	0.04590	0.06924	4.59%	4.06%	6.13%	1.5084	0.04700
019.99	6	6	0.97833	0.13567	0.98333	0.07130	0.02058	7.25%	0.13197	0.04453	0.13928	13.49%	4.55%	14.24%	3.1274	0.04667
020.32	1		2.5744													

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020.41	2	2	1.5574	0.06028												
020.42	2	2	0.61750	0.87328												
020.43	1		1.9550													
020.52	1		2.2235													
020.99	1		1.8600													
021.31	2	2	0.37350	0.52821												
021.32	1		0.81165													
021.33	1		0.42200													
021.41	4	4	0.64894	0.11717	0.64894	0.11717	0.04143	18.06%	0.11433	0.03625	0.11994	17.62%	5.59%	18.48%	3.3087	0.03338
021.42	4	4	0.57194	0.24357	0.57194	0.24357	0.08611	42.59%	0.14680	0.27486	0.31161	25.67%	48.06%	54.48%	1.1337	0.32763
021.43	3	3	0.72083	0.29980	0.72083	0.29980	0.12239	41.59%	0.29749	0.05247	0.30208	41.27%	7.28%	41.91%	5.7568	0.06367
021.52	1		0.64100													
021.53	2	2	0.28800	0.06647												
022.31	18	18	15.640	1.4030	15.766	1.0173	0.16955	6.45%	1.3506	0.53756	1.4536	8.64%	3.44%	9.29%	2.7041	0.51817
022.32	3	3	16.009	2.5822	16.009	2.5822	1.0542	16.13%	1.6806	2.7724	3.2420	10.50%	17.32%	20.25%	1.1694	2.3018
022.41	34	33	14.633	2.0571	14.866	1.6590	0.20421	11.16%	1.9279	1.0145	2.1786	13.18%	6.93%	14.89%	2.1474	1.0059
022.42	20	20	16.360	1.8004	16.118	1.4467	0.22875	8.98%	1.7331	0.68974	1.8653	10.59%	4.22%	11.40%	2.7044	0.61950
022.43	11	11	15.849	2.7373	15.883	2.2890	0.48803	14.41%	2.6657	0.87984	2.8072	16.82%	5.55%	17.71%	3.1905	0.90294
022.52	1		14.743													
022.53	2	2	16.450	0.77782												
022.99	1		11.000													
023.01	1		0.00560													
025.02	1		190.34													
025.31	16	16	188.72	19.618	191.58	11.000	1.9446	5.74%	19.182	5.8129	20.044	10.16%	3.08%	10.62%	3.4481	6.0163
025.32	3	3	198.21	5.1882	198.21	5.1882	2.1181	2.62%	5.1769	0.48470	5.1995	2.61%	0.24%	2.62%	10.727	0.54667
025.33	2	2	175.30	49.922												
025.34	1		156.55													
025.41	35	34	186.19	22.917	186.07	9.3069	1.1286	5.00%	22.251	7.7579	23.564	11.95%	4.17%	12.66%	3.0375	6.6478
025.42	21	20	187.79	23.929	183.36	17.732	2.8037	9.67%	23.582	5.7414	24.271	12.56%	3.06%	12.92%	4.2273	5.9170
025.43	10	10	199.23	19.952	199.23	22.626	5.0593	11.36%	17.774	12.819	21.915	8.92%	6.43%	11.00%	1.7095	12.627
025.52	1		181.90													
025.53	1		170.00													
025.99	1		159.50													
026.31	1		1.9000													
026.42	1		0.00000													
026.43	1		0.00000													
026.52	1		0.28950													
026.53	2	2	0.27550	0.01131												

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027.31	17	17	0.18885	0.01293	0.18851	0.01267	0.00217	6.72%	0.01236	0.00534	0.01347	6.55%	2.83%	7.13%	2.5210	0.00621
027.32	7	7	0.19121	0.00431	0.19017	0.00060	0.00016	0.31%	0.00430	0.00040	0.00432	2.25%	0.21%	2.26%	10.761	0.00031
027.33	1		0.18500													
027.41	32	31	0.19450	0.01966	0.19207	0.01045	0.00133	5.44%	0.01903	0.00702	0.02028	9.78%	3.61%	10.43%	2.8902	0.00609
027.42	20	20	0.19584	0.01198	0.19274	0.00727	0.00115	3.77%	0.01028	0.00869	0.01346	5.25%	4.44%	6.87%	1.5487	0.00795
027.43	9	8	0.19237	0.01224	0.19032	0.00904	0.00226	4.75%	0.01118	0.00707	0.01323	5.81%	3.68%	6.88%	1.8707	0.00649
027.52	1		0.16850													
027.53	2	2	0.18900	0.00141												
027.99	1		0.17500													
028.31	16	15	80.994	8.5866	82.653	5.2195	0.95295	6.31%	8.4978	1.7415	8.6744	10.49%	2.15%	10.71%	4.9810	1.8372
028.32	3	3	84.777	4.2579	84.777	4.2579	1.7383	5.02%	4.1500	1.3470	4.3631	4.90%	1.59%	5.15%	3.2391	1.1800
028.33	1		69.100													
028.41	34	34	85.867	6.6167	85.763	4.0129	0.48664	4.68%	6.3470	2.6445	6.8759	7.39%	3.08%	8.01%	2.6001	2.9018
028.42	22	21	82.489	22.608	87.209	4.3390	0.66953	4.98%	22.567	1.9300	22.650	27.36%	2.34%	27.46%	11.736	1.8281
028.43	11	11	84.452	7.0470	84.806	6.8768	1.4661	8.11%	6.8399	2.3988	7.2483	8.10%	2.84%	8.58%	3.0216	2.6859
028.52	1		66.940													
028.53	1		91.450													
029.99	3	3	0.02342	0.03736	0.02342	0.03736	0.01525	159.54%	0.03720	0.00485	0.03752	158.86%	20.72%	160.21%	7.7320	0.00517
031.00	3	3	0.80082	0.01666	0.80082	0.01666	0.00680	2.08%	0.01197	0.01638	0.02029	1.50%	2.05%	2.53%	1.2387	0.01437
031.01	64	61	0.79576	0.04453	0.80072	0.02419	0.00219	3.02%	0.04393	0.01027	0.04511	5.52%	1.29%	5.67%	4.3920	0.01020
031.02	3	3	0.81423	0.00517	0.81423	0.00517	0.00211	0.64%		0.00840			1.03%			0.00827
031.03	8	8	0.79109	0.03231	0.79736	0.02280	0.00570	2.86%	0.03012	0.01652	0.03435	3.81%	2.09%	4.34%	2.0802	0.01621
031.04	3	3	0.56000	0.31213	0.56000	0.31213	0.12743	55.74%	0.31178	0.02082	0.31248	55.68%	3.72%	55.80%	15.011	0.02000
031.06	4	4	0.68125	0.08538	0.68125	0.08538	0.03019	12.53%	0.08468	0.01541	0.08607	12.43%	2.26%	12.63%	5.5851	0.01750
031.41	42	41	0.81068	0.04832	0.80705	0.03960	0.00437	4.91%	0.04752	0.01236	0.04911	5.86%	1.53%	6.06%	3.9715	0.01204
031.42	24	23	0.80953	0.04180	0.81646	0.02580	0.00380	3.16%	0.03878	0.02208	0.04463	4.79%	2.73%	5.51%	2.0207	0.02176
031.43	10	10	0.79144	0.04025	0.79208	0.04424	0.00989	5.59%	0.03677	0.02315	0.04345	4.65%	2.93%	5.49%	1.8769	0.02111
031.52	1		0.64445													
031.53	4	4	0.81888	0.05390	0.81888	0.05390	0.01906	6.58%	0.05280	0.01533	0.05498	6.45%	1.87%	6.71%	3.5870	0.01440
031.99	7	7	0.69107	0.24592	0.78550	0.07410	0.01980	9.43%	0.24584	0.00862	0.24599	35.57%	1.25%	35.60%	28.527	0.00871
032.02	5	5	0.82769	0.06923	0.82769	0.06923	0.02189	8.36%	0.06439	0.03596	0.07375	7.78%	4.34%	8.91%	2.0511	0.04042
032.31	17	16	0.82909	0.05284	0.83282	0.05000	0.00884	6.00%	0.05171	0.01536	0.05394	6.24%	1.85%	6.51%	3.5119	0.01659
032.32	4	4	0.89000	0.11683	0.89000	0.11683	0.04131	13.13%	0.08254	0.11694	0.14313	9.27%	13.14%	16.08%	1.2240	0.09000
032.33	1		0.90000													
032.41	29	28	0.83269	0.05579	0.83872	0.04378	0.00585	5.22%	0.05357	0.02204	0.05793	6.43%	2.65%	6.96%	2.6288	0.02332
032.42	21	20	0.85849	0.06222	0.85529	0.05979	0.00945	6.99%	0.06120	0.01586	0.06322	7.13%	1.85%	7.36%	3.9872	0.01210
032.43	9	9	0.83039	0.04387	0.83550	0.03000	0.00707	3.59%	0.04307	0.01181	0.04466	5.19%	1.42%	5.38%	3.7805	0.01203
032.52	1		0.83520													

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 %rscd	Reproducibility %RSD	sR/sr	Average Range (R-bar)
032.53	2	2	0.89200	0.00990												
032.99	1		0.73000													
033.00	40	39	0.60531	0.06074	0.60184	0.05701	0.00646	9.47%	0.06016	0.01175	0.06130	9.94%	1.94%	10.13%	5.2156	0.01265
033.01	40	39	0.65678	0.02773	0.65768	0.02241	0.00254	3.41%	0.02653	0.01139	0.02888	4.04%	1.73%	4.40%	2.5344	0.00923
033.03	7	7	0.57907	0.07596	0.57822	0.08436	0.02255	14.59%	0.07350	0.02713	0.07835	12.69%	4.68%	13.53%	2.8883	0.02843
033.05	2	2	0.62250	0.02475												
033.99	11	11	0.62273	0.06699	0.62803	0.05095	0.01086	8.11%	0.06509	0.02244	0.06885	10.45%	3.60%	11.06%	3.0686	0.02527
034.04	6	5	0.51420	0.01316	0.51420	0.01316	0.00416	2.56%	0.00826	0.01449	0.01668	1.61%	2.82%	3.24%	1.1510	0.01400
034.41	1		0.01500													
034.42	1		1.2450													
034.43	2	2	0.44400	0.05091												
034.53	1		0.58000													
034.99	2	2	0.48990	0.03196												
035.01	4	4	0.25288	0.01657	0.25288	0.01657	0.00586	6.55%	0.01618	0.00506	0.01696	6.40%	2.00%	6.71%	3.3498	0.00575
035.05	7	7	0.23981	0.01095	0.24032	0.01124	0.00301	4.68%	0.01053	0.00425	0.01136	4.39%	1.77%	4.74%	2.6706	0.00413
035.31	18	18	0.24608	0.02052	0.24581	0.02123	0.00354	8.64%	0.01915	0.01041	0.02180	7.78%	4.23%	8.86%	2.0947	0.01139
035.32	6	6	0.26096	0.02491	0.26202	0.02624	0.00758	10.02%	0.02429	0.00780	0.02551	9.31%	2.99%	9.78%	3.2706	0.00932
035.33	1		0.31500													
035.41	32	31	0.24662	0.03887	0.24371	0.01517	0.00193	6.23%	0.03815	0.01055	0.03958	15.47%	4.28%	16.05%	3.7516	0.00873
035.42	18	17	0.24529	0.02748	0.24120	0.01683	0.00289	6.98%	0.02700	0.00725	0.02795	11.01%	2.95%	11.40%	3.8572	0.00654
035.43	8	7	0.24971	0.01188	0.24979	0.00821	0.00219	3.29%	0.01165	0.00327	0.01210	4.67%	1.31%	4.85%	3.6979	0.00257
035.52	1		0.25530													
035.53	2	2	0.25475	0.01450												
035.99	1		0.12000													
036.00	1		0.28500													
036.04	2	2	0.28500	0.00000												
036.42	18	18	0.24506	0.01844	0.24638	0.01714	0.00286	6.96%	0.01549	0.01414	0.02097	6.32%	5.77%	8.56%	1.4835	0.01305
036.43	6	6	0.24875	0.01563	0.24505	0.01065	0.00308	4.35%	0.01463	0.00777	0.01657	5.88%	3.12%	6.66%	2.1319	0.00917
036.53	1		0.24000													
036.99	2	2	0.19925	0.01520												
037.31	19	18	97.480	8.5924	98.338	7.6383	1.2731	7.77%	8.2571	3.3615	8.9151	8.47%	3.45%	9.15%	2.6522	2.8880
037.32	4	4	102.69	40.603	102.69	40.603	14.355	39.54%	34.452	30.387	45.938	33.55%	29.59%	44.73%	1.5118	22.486
037.33	1		100.99													
037.41	34	33	98.179	16.522	101.45	5.3733	0.66141	5.30%	16.426	2.5154	16.618	16.73%	2.56%	16.93%	6.6064	2.8156
037.42	22	21	105.49	10.092	104.83	6.7973	1.0488	6.48%	9.4249	5.1021	10.717	8.93%	4.84%	10.16%	2.1006	4.6938
037.43	11	11	103.63	7.4680	103.57	6.5174	1.3895	6.29%	6.1634	5.9637	8.5763	5.95%	5.75%	8.28%	1.4381	6.9647
037.52	1		91.130													
037.53	2	2	101.50	2.8284												

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	1		75.000													
038.31	1		1.4650													
038.41	2	2	1.3455	0.29628												
038.42	6	6	1.5073	0.88723	1.3190	0.44886	0.12958	34.03%	0.84663	0.37522	0.92605	56.17%	24.89%	61.44%	2.4680	0.35533
038.43	3	3	1.4383	0.01893	1.4383	0.01893	0.00773	1.32%		0.04183			2.91%			0.05667
038.52	1		1.5700													
038.53	2	2	1.6513	0.06541												
039.31	1		3.9150													
039.41	1		2.0730													
039.42	2	2	1.3775	0.32173												
039.52	1		2.3790													
040.42	1		7.2150													
041.42	1		0.00000													
045.00	6	5	0.01147	0.00008	0.01147	0.00008	0.00002	0.66%		0.00107			9.35%			0.00098
045.02	7	6	0.01190	0.00071	0.01191	0.00077	0.00022	6.48%	0.00071	0.00007	0.00071	5.95%	0.59%	5.97%	10.055	0.00007
048.00	1		181.10													
048.01	1		180.50													
048.04	1		29.200													
088.99	1		0.66000													
101.01	1		687.70													
101.02	3	3	588.08	162.10	588.08	162.10	66.176	27.56%	161.98	8.6448	162.21	27.54%	1.47%	27.58%	18.764	8.1713
101.99	2	2	8,721.8	11,144												
102.01	3	3	36.023	6.1487	36.023	6.1487	2.5102	17.07%	6.1370	0.53815	6.1605	17.04%	1.49%	17.10%	11.447	0.60880
103.01	2	2	6.3657	2.8435												
104.00	3	3	4.3120	0.66643	4.3120	0.66643	0.27207	15.46%	0.65749	0.15384	0.67525	15.25%	3.57%	15.66%	4.3893	0.20667
104.03	1		3.2050													
104.99	1		2.6500													
105.00	3	3	1.4135	0.35691	1.4135	0.35691	0.14571	25.25%	0.18557	0.43116	0.46940	13.13%	30.50%	33.21%	1.0887	0.49767
105.01	2	2	2.8282	1.4309												
105.99	1		3.8195													
106.00	1		2.8250													
106.01	1		2.2250													
106.02	15	15	2.7206	0.71079	2.7206	0.80604	0.14716	29.63%	0.68964	0.24342	0.73133	25.35%	8.95%	26.88%	3.0045	0.25708
107.00	2	2	7.7250	1.9163												
108.01	1		1.0180													
108.02	3	3	0.68367	0.20921	0.68367	0.20921	0.08541	30.60%	0.20660	0.04666	0.21180	30.22%	6.83%	30.98%	4.5390	0.06267
109.02	12	11	34.801	20.658	29.588	5.9882	1.2767	20.24%	20.637	1.3096	20.679	59.30%	3.76%	59.42%	15.790	1.2370
112.00	4	4	6.3888	3.2931	6.3888	3.2931	1.1643	51.54%	3.2894	0.22077	3.2968	51.49%	3.46%	51.60%	14.933	0.23750

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113.01	2	2	1.0455	0.26799												
113.99	1		0.79650													
114.01	2	2	0.24050	0.02899												
114.99	1		0.13460													
120.00	13	12	1.0508	0.09172	1.0706	0.01764	0.00360	1.65%	0.09129	0.01250	0.09214	8.69%	1.19%	8.77%	7.3719	0.01274
120.02	2	2	1.0359	0.07336												
120.05	2	2	1.0725	0.01202												
120.99	1		1.0650													
121.00	13	12	1.2961	0.04164	1.2981	0.03939	0.00804	3.03%	0.04032	0.01468	0.04291	3.11%	1.13%	3.31%	2.9230	0.01656
121.02	2	2	1.2815	0.01421												
121.05	2	2	1.2935	0.07566												
121.99	1		1.3450													
122.00	13	12	1.7828	0.07342	1.7931	0.03769	0.00769	2.10%	0.07269	0.01461	0.07415	4.08%	0.82%	4.16%	5.0747	0.01732
122.02	2	2	1.7832	0.01245												
122.05	2	2	1.7978	0.11208												
122.99	1		1.7100													
123.99	1		3.2300													
124.00	13	12	0.30470	0.01317	0.30591	0.01203	0.00246	3.93%	0.01254	0.00569	0.01378	4.12%	1.87%	4.52%	2.4195	0.00673
124.02	1		0.32455													
124.99	1		0.35000													
125.00	13	12	3.3283	0.08675	3.3192	0.07451	0.01521	2.24%	0.08496	0.02477	0.08850	2.55%	0.74%	2.66%	3.5731	0.02222
125.02	2	2	3.3042	0.07386												
125.05	2	2	3.2230	0.14213												
126.00	13	13	1.1522	0.04557	1.1531	0.02867	0.00562	2.49%	0.04374	0.01807	0.04732	3.80%	1.57%	4.11%	2.6191	0.01994
126.02	2	2	1.1904	0.01471												
126.05	2	2	1.1988	0.02722												
126.99	1		1.1700													
127.00	13	13	0.51150	0.04148	0.50512	0.03009	0.00590	5.96%	0.04102	0.00876	0.04194	8.02%	1.71%	8.20%	4.7899	0.00955
127.02	2	2	0.52195	0.05240												
127.05	2	2	0.50500	0.00283												
127.99	1		0.54000													
128.00	13	13	0.72292	0.01486	0.72437	0.01305	0.00256	1.80%	0.00994	0.01563	0.01852	1.37%	2.16%	2.56%	1.1849	0.01697
128.02	2	2	0.76693	0.03405												
128.05	2	2	0.79250	0.00849												
128.99	1		0.77500													
129.00	13	12	1.5294	0.03816	1.5338	0.03405	0.00695	2.22%	0.03631	0.01657	0.03992	2.37%	1.08%	2.61%	2.4086	0.01890
129.02	2	2	1.5756	0.00339												
129.05	2	2	1.5643	0.00813												

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129.99	1		1.5350													
130.00	16	16	0.99060	0.04978	0.99496	0.03549	0.00627	3.57%	0.04914	0.01123	0.05041	4.96%	1.13%	5.09%	4.4882	0.01173
130.01	2	2	0.89500	0.20506												
130.02	2	2	1.0207	0.02645												
130.05	3	3	1.0193	0.02695	1.0193	0.02695	0.01100	2.64%	0.02585	0.01077	0.02801	2.54%	1.06%	2.75%	2.6003	0.01467
130.99	2	2	1.0150	0.06364												
131.00	16	16	0.31324	0.02315	0.31173	0.02072	0.00366	6.65%	0.02260	0.00707	0.02368	7.22%	2.26%	7.56%	3.3508	0.00768
131.02	1		0.30875													
131.05	3	3	0.29650	0.02338	0.29650	0.02338	0.00955	7.89%	0.02148	0.01307	0.02514	7.24%	4.41%	8.48%	1.9237	0.01500
131.99	2	2	0.26500	0.02121												
132.00	13	13	0.87284	0.05682	0.88069	0.02979	0.00584	3.38%	0.05613	0.01247	0.05750	6.43%	1.43%	6.59%	4.6107	0.01531
132.02	2	2	0.90490	0.02249												
132.05	2	2	0.92500	0.02899												
132.99	1		0.86000													
133.00	13	12	1.2755	0.06238	1.2730	0.05454	0.01113	4.28%	0.06103	0.01826	0.06370	4.78%	1.43%	4.99%	3.4880	0.02022
133.05	2	2	1.3253	0.01945												
133.99	1		1.3150													
134.00	13	12	0.92498	0.11214	0.89788	0.02443	0.00499	2.72%	0.11183	0.01188	0.11246	12.09%	1.28%	12.16%	9.4633	0.01236
134.02	2	2	0.83073	0.02224												
134.05	2	2	0.88075	0.05975												
134.99	1		0.77000													
135.00	13	12	0.71114	0.01525	0.71264	0.01263	0.00258	1.77%	0.01441	0.00708	0.01605	2.03%	1.00%	2.26%	2.2672	0.00775
135.02	2	2	0.70630	0.01598												
135.05	2	2	0.71025	0.00813												
135.99	1		0.71500													
136.00	3	3	0.20910	0.01997	0.20910	0.01997	0.00815	9.55%	0.01522	0.01829	0.02380	7.28%	8.75%	11.38%	1.3007	0.02267
136.01	4	4	0.21213	0.01483	0.21213	0.01483	0.00524	6.99%	0.01471	0.00267	0.01495	6.94%	1.26%	7.05%	5.6023	0.00275
136.03	2	2	0.23875	0.01450												
136.99	1		0.22500													
137.00	7	6	0.60103	0.03354	0.59717	0.02335	0.00674	3.91%	0.03330	0.00566	0.03378	5.54%	0.94%	5.62%	5.9673	0.00770
137.02	2	2	0.60408	0.05717												
137.05	2	2	0.60900	0.16829												
138.00	13	13	0.88482	0.03846	0.88365	0.02156	0.00423	2.44%	0.03691	0.01528	0.03995	4.17%	1.73%	4.52%	2.6148	0.01622
138.02	2	2	0.95673	0.08241												
138.05	2	2	0.97475	0.06329												
138.99	1		0.98000													
139.00	1		0.01400													
139.02	1		0.00000													

Average Range (R-bar)	sR/sr	Reproducibility %RSD	Within Labs %rstd	Between Labs %RSD	Reproducibility sR	Within Labs sr	Between Labs sL	% RSD	Uncertainty (U)	AAFCCO CS ffp - Robust sd	Assigned Value - Robust Mean	SD	Mean	# Labs Included in Calculations	Total # Labs Submitting	Method Code
													0.00750	1	1	140.01
													0.02150	1	1	142.00
													5.2940	1	1	210.99
													3.2500	1	1	300.07