

AAFCO Check Sample Program

Methods Report

Sort by Method

Proficiency For Individual Methods

Sample # 201224

Chicken 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 %rds	Reproducibility %RSD	sR/sr	Average Range (R-bar)
000.01	2	2	0.27750	0.38537												
001.00	11	9	11.193	0.65863	11.118	0.43729	0.10307	3.93%	0.65414	0.10850	0.66308	5.84%	0.97%	5.92%	6.1113	0.12556
001.02	1		10.245													
001.03	22	22	10.933	0.15840	10.939	0.14927	0.02250	1.36%	0.15645	0.03506	0.16033	1.43%	0.32%	1.47%	4.5725	0.03318
001.05	2	2	11.208	0.39244												
001.07	38	36	10.656	0.65270	10.765	0.33118	0.03903	3.08%	0.64949	0.09138	0.65589	6.09%	0.86%	6.15%	7.1778	0.08865
001.08	4	4	30.438	38.955	30.438	38.955	13.773	127.98%	38.955	0.10536	38.955	127.98%	0.35%	127.98%	369.75	0.11000
001.99	18	17	10.636	0.68198	10.702	0.60881	0.10441	5.69%	0.67669	0.11997	0.68724	6.36%	1.13%	6.46%	5.7286	0.12435
002.00	4	4	17.049	0.49785	17.049	0.49785	0.17602	2.92%	0.49299	0.09817	0.50267	2.89%	0.58%	2.95%	5.1203	0.13250
002.01	11	10	16.944	0.12283	16.936	0.12346	0.02761	0.73%	0.11589	0.05756	0.12940	0.68%	0.34%	0.76%	2.2481	0.05860
002.02	7	6	17.194	0.56832	17.129	0.50190	0.14489	2.93%	0.56570	0.07708	0.57093	3.29%	0.45%	3.32%	7.4069	0.08408
002.03	1		19.015													
002.04	5	5	16.891	0.87167	16.891	0.87167	0.27565	5.16%	0.86450	0.15777	0.87878	5.12%	0.93%	5.20%	5.5701	0.19800
002.05	45	44	16.971	0.21653	16.955	0.17916	0.01910	1.06%	0.20854	0.08243	0.22424	1.23%	0.49%	1.32%	2.7203	0.07155
002.06	225	143	17.122	0.37447	17.121	0.28553	0.01688	1.67%	0.36180	0.13655	0.38671	2.11%	0.80%	2.26%	2.8320	0.14083
002.07	1		17.110													
002.08	3	3	17.047	0.19502	17.047	0.19502	0.07962	1.14%	0.19035	0.06000	0.19958	1.12%	0.35%	1.17%	3.3264	0.08000
002.10	3	3	17.267	0.02887	17.267	0.02887	0.01179	0.17%		0.17174			0.99%			0.18800
002.11	11	10	17.283	0.86088	17.173	0.41478	0.09275	2.42%	0.85982	0.06054	0.86195	4.98%	0.35%	4.99%	14.238	0.06900
002.99	4	4	17.938	0.99984	17.938	0.99984	0.35350	5.57%	0.95455	0.42074	1.0432	5.32%	2.35%	5.82%	2.4793	0.42500
003.00	24	23	3.6968	0.53759	3.6358	0.41109	0.06061	11.31%	0.53316	0.09733	0.54197	14.42%	2.63%	14.66%	5.5686	0.09849
003.01	1		3.3000													
003.06	19	18	3.5051	0.23154	3.4973	0.18646	0.03108	5.33%	0.22830	0.05460	0.23474	6.51%	1.56%	6.70%	4.2992	0.05028
003.09	26	26	3.6192	0.33647	3.5582	0.14764	0.02047	4.15%	0.33373	0.06058	0.33919	9.22%	1.67%	9.37%	5.5989	0.06381
003.10	39	38	3.3980	0.21584	3.3983	0.14471	0.01660	4.26%	0.20992	0.07099	0.22160	6.18%	2.09%	6.52%	3.1216	0.06686
003.11	11	10	3.4630	0.49313	3.3773	0.32664	0.07304	9.67%	0.49257	0.03302	0.49368	14.22%	0.95%	14.26%	14.953	0.03600
003.12	22	21	3.4869	0.13182	3.4855	0.14334	0.02212	4.11%	0.12770	0.04621	0.13581	3.66%	1.33%	3.89%	2.9387	0.04810

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003.13	7	7	3.4357	0.19249	3.4357	0.21829	0.05834	6.35%	0.19140	0.02903	0.19358	5.57%	0.85%	5.63%	6.6680	0.02857
003.14	23	22	3.4294	0.36288	3.4203	0.20959	0.03160	6.13%	0.35513	0.10551	0.37047	10.36%	3.08%	10.80%	3.5114	0.12120
003.99	11	7	3.9386	0.76545	3.7140	0.23190	0.06198	6.24%	0.76412	0.06370	0.76677	19.40%	1.62%	19.47%	12.038	0.06000
004.00	26	26	3.4508	0.37393	3.3803	0.18546	0.02572	5.49%	0.36800	0.09382	0.37977	10.66%	2.72%	11.01%	4.0478	0.10935
004.01	2	2	4.4075	1.0501												
004.03	2	2	3.6950	0.70004												
004.06	47	46	3.5113	0.55154	3.4842	0.34934	0.03642	10.03%	0.54865	0.07975	0.55442	15.63%	2.27%	15.79%	6.9516	0.07423
004.07	57	56	3.3413	0.31853	3.3407	0.31189	0.02947	9.34%	0.30930	0.10768	0.32751	9.26%	3.22%	9.80%	3.0414	0.12240
004.11	8	7	3.6271	0.51682	3.6271	0.58607	0.15663	16.16%	0.51612	0.03798	0.51751	14.23%	1.05%	14.27%	13.624	0.04000
004.99	2	2	2.6725	0.18031												
005.00	190	118	5.4822	0.19604	5.4892	0.19923	0.01297	3.63%	0.18911	0.07306	0.20273	3.45%	1.33%	3.70%	2.7747	0.07245
005.02	2	2	5.6150	0.09192												
005.05	34	32	5.5938	0.22330	5.6094	0.08993	0.01124	1.60%	0.22240	0.02826	0.22419	3.98%	0.51%	4.01%	7.9325	0.02621
005.11	5	5	6.1790	1.7211	6.1790	1.7211	0.54425	27.85%	1.7172	0.16282	1.7249	27.79%	2.64%	27.92%	10.594	0.16200
005.99	8	7	5.7121	0.98525	5.5005	0.17130	0.04578	3.11%	0.98485	0.03988	0.98566	17.24%	0.70%	17.26%	24.717	0.04686
006.00	2	2	3.1750	1.4496												
006.01	1		4.0500													
006.99	2	2	3.6700	1.5486												
008.02	11	10	5.2275	0.74260	5.1383	0.66509	0.14872	12.94%	0.73456	0.15413	0.75056	14.05%	2.95%	14.36%	4.8697	0.15100
008.05	2	2	4.8168	0.51866												
008.08	28	27	4.5462	0.61424	4.4799	0.42149	0.05736	9.41%	0.60406	0.15746	0.62425	13.29%	3.46%	13.73%	3.9644	0.16441
008.99	3	3	4.6367	0.39263	4.6367	0.39263	0.16029	8.47%	0.39103	0.05000	0.39422	8.43%	1.08%	8.50%	7.8844	0.06000
009.04	1		13.215													
009.07	12	12	12.887	1.1013	12.825	0.91695	0.18717	7.15%	1.0879	0.24205	1.1145	8.44%	1.88%	8.65%	4.6044	0.21858
009.09	21	20	11.701	0.70646	11.731	0.56085	0.08868	4.78%	0.67691	0.28592	0.73482	5.79%	2.44%	6.28%	2.5700	0.31750
009.99	1		10.390													
010.03	5	5	9.9211	2.0242	9.9211	2.0242	0.64010	20.40%	2.0231	0.09438	2.0253	20.39%	0.95%	20.41%	21.458	0.10804
010.11	5	5	10.701	0.56581	10.701	0.56581	0.17893	5.29%	0.56026	0.11185	0.57131	5.24%	1.05%	5.34%	5.1079	0.10600
010.99	12	12	10.901	0.45818	10.859	0.39036	0.07968	3.59%	0.45407	0.08666	0.46226	4.17%	0.79%	4.24%	5.3342	0.07889
011.01	156	77	11.636	0.37388	11.663	0.30940	0.02493	2.65%	0.36858	0.08876	0.37911	3.17%	0.76%	3.26%	4.2711	0.08570
011.02	4	3	11.420	0.47472	11.420	0.47472	0.19380	4.16%	0.45602	0.18655	0.49270	3.99%	1.63%	4.31%	2.6411	0.20100
011.99	3	3	11.386	0.29429	11.386	0.29429	0.12014	2.58%	0.27168	0.15998	0.31528	2.39%	1.41%	2.77%	1.9707	0.17900
012.00	7	6	39.908	1.1109	40.317	0.52882	0.15266	1.31%	1.0887	0.31258	1.1326	2.73%	0.78%	2.84%	3.6235	0.32500
012.01	2	2	37.083	2.0046												
012.03	4	4	37.378	2.6747	37.378	2.6747	0.94567	7.16%	2.6544	0.46581	2.6950	7.10%	1.25%	7.21%	5.7856	0.61500
012.04	7	7	41.609	7.3639	38.407	1.3653	0.36488	3.55%	7.3592	0.36899	7.3685	17.69%	0.89%	17.71%	19.969	0.39886
012.11	3	3	38.990	2.3739	38.990	2.3739	0.96915	6.09%	2.3734	0.07047	2.3744	6.09%	0.18%	6.09%	33.692	0.08667
013.00	18	16	4.3980	0.46586	4.4052	0.45437	0.08032	10.31%	0.45508	0.14095	0.47640	10.35%	3.20%	10.83%	3.3800	0.14113

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013.02	97	27	4.4014	0.42206	4.4256	0.26501	0.03606	5.99%	0.41442	0.11309	0.42957	9.42%	2.57%	9.76%	3.7985	0.11594
013.03	1		2.9400													
013.10	13	11	4.1894	0.34477	4.2117	0.33741	0.07194	8.01%	0.31688	0.19213	0.37057	7.56%	4.59%	8.85%	1.9288	0.23036
013.12	1		4.1500													
013.13	3	3	4.1850	0.88058	4.1850	0.88058	0.35950	21.04%	0.88033	0.02972	0.88083	21.04%	0.71%	21.05%	29.637	0.03000
013.99	1		2.0300													
015.41	5	5	115.67	14.873	115.67	14.873	4.7031	12.86%	12.141	12.148	17.175	10.50%	10.50%	14.85%	1.4138	12.027
015.42	3	3	105.79	10.991	105.79	10.991	4.4871	10.39%	7.8464	10.885	13.418	7.42%	10.29%	12.68%	1.2327	14.430
015.43	4	4	108.60	14.446	108.60	14.446	5.1073	13.30%	14.275	3.1257	14.614	13.14%	2.88%	13.46%	4.6753	4.1000
015.52	1		117.82													
016.42	1		0.00000													
016.52	1		0.19850													
017.41	2	2	9.7725	1.3400												
017.42	4	4	8.2113	6.2417	8.2113	6.2417	2.2068	76.01%	5.9682	2.5844	6.5037	72.68%	31.47%	79.20%	2.5165	1.9375
017.43	4	4	8.6788	1.1968	8.6788	1.1968	0.42314	13.79%	1.1924	0.14582	1.2013	13.74%	1.68%	13.84%	8.2381	0.17750
018.41	2	2	0.19188	0.13806												
018.42	1		0.00000													
018.52	1		0.09600													
019.00	33	33	0.97133	0.04848	0.97052	0.03725	0.00458	3.84%	0.04768	0.01243	0.04927	4.91%	1.28%	5.07%	3.9636	0.01256
019.03	4	4	1.0255	0.06158	1.0255	0.06158	0.02177	6.00%	0.06117	0.01000	0.06199	5.97%	0.98%	6.04%	6.1985	0.01003
019.08	9	9	1.0329	0.08985	1.0119	0.05564	0.01311	5.50%	0.08889	0.01852	0.09080	8.61%	1.79%	8.79%	4.9029	0.01920
019.31	32	32	0.99823	0.09893	0.98942	0.05260	0.00657	5.32%	0.09734	0.02497	0.10049	9.75%	2.50%	10.07%	4.0238	0.02519
019.32	8	8	0.98531	0.03504	0.98530	0.03973	0.00993	4.03%	0.03463	0.00760	0.03545	3.51%	0.77%	3.60%	4.6643	0.00879
019.33	3	3	1.0343	0.05551	1.0343	0.05551	0.02266	5.37%	0.05517	0.00872	0.05585	5.33%	0.84%	5.40%	6.4065	0.01200
019.41	38	37	0.99978	0.03813	1.0022	0.03240	0.00377	3.23%	0.03371	0.02521	0.04209	3.37%	2.52%	4.21%	1.6698	0.02371
019.42	19	18	1.0320	0.09148	1.0229	0.04926	0.00821	4.82%	0.09038	0.02005	0.09258	8.76%	1.94%	8.97%	4.6169	0.01746
019.43	15	15	0.98894	0.05518	0.98561	0.05467	0.00998	5.55%	0.05344	0.01944	0.05686	5.40%	1.97%	5.75%	2.9251	0.02274
019.52	2	2	1.1411	0.29550												
019.53	3	3	0.99067	0.01601	0.99067	0.01601	0.00654	1.62%		0.04933			4.98%			0.06667
019.99	5	5	1.2660	0.77721	1.2660	0.77721	0.24578	61.39%	0.77034	0.14585	0.78402	60.85%	11.52%	61.93%	5.3754	0.10312
020.41	2	2	2.5479	0.27984												
020.42	2	2	1.0650	1.5061												
020.43	2	2	3.2975	0.24395												
020.52	1		3.4600													
021.31	1		0.80000													
021.41	3	3	0.69008	0.18254	0.69008	0.18254	0.07452	26.45%	0.17710	0.06259	0.18783	25.66%	9.07%	27.22%	3.0009	0.07417
021.42	2	2	0.69725	0.21602												
021.43	5	5	0.83700	0.22684	0.83700	0.22684	0.07173	27.10%	0.22137	0.07007	0.23219	26.45%	8.37%	27.74%	3.3136	0.06600

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021.52	1		0.77700													
022.31	15	14	19.621	6.5051	17.031	1.0831	0.20469	6.36%	6.4733	0.90814	6.5367	32.99%	4.63%	33.31%	7.1978	0.84536
022.32	4	4	22.080	11.588	22.080	11.588	4.0970	52.48%	11.566	1.0077	11.610	52.38%	4.56%	52.58%	11.521	1.0084
022.33	3	3	17.710	3.4422	17.710	3.4422	1.4053	19.44%	2.9724	2.4550	3.8552	16.78%	13.86%	21.77%	1.5703	2.0867
022.41	32	30	15.680	3.2461	16.279	1.6337	0.21091	10.04%	3.1994	0.77604	3.2921	20.40%	4.95%	21.00%	4.2422	0.81677
022.42	17	17	17.549	1.9544	17.549	2.2163	0.38009	12.63%	1.4749	1.8134	2.3375	8.40%	10.33%	13.32%	1.2890	1.4235
022.43	13	12	14.765	2.0642	14.680	1.9303	0.39402	13.15%	2.0321	0.51294	2.0958	13.76%	3.47%	14.20%	4.0859	0.54433
022.52	1		15.765													
022.53	2	2	15.200	0.28284												
022.99	2	2	14.313	3.2714												
025.31	15	15	254.71	36.166	253.82	23.026	4.2039	9.07%	35.990	5.0388	36.341	14.13%	1.98%	14.27%	7.2122	6.4673
025.32	4	4	271.64	10.340	271.64	10.340	3.6557	3.81%	9.1840	6.7183	11.379	3.38%	2.47%	4.19%	1.6937	5.3725
025.33	2	2	226.73	32.916												
025.41	25	24	250.16	15.161	248.56	12.711	1.8347	5.11%	14.321	7.0360	15.956	5.72%	2.81%	6.38%	2.2678	6.6842
025.42	14	13	259.28	27.930	262.07	24.628	4.8300	9.40%	27.455	7.2508	28.396	10.59%	2.80%	10.95%	3.9163	8.8623
025.43	11	11	251.51	21.231	251.72	23.628	5.0376	9.39%	20.843	5.7143	21.612	8.29%	2.27%	8.59%	3.7821	6.2800
025.52	1		202.19													
025.99	2	2	220.80	19.511												
026.31	1		1.6000													
026.42	1		0.00000													
026.52	1		0.11850													
027.31	17	17	0.21243	0.02301	0.20693	0.00703	0.00121	3.40%	0.02267	0.00562	0.02335	10.67%	2.65%	10.99%	4.1552	0.00626
027.32	5	5	0.20981	0.01285	0.20981	0.01285	0.00406	6.12%	0.01265	0.00316	0.01304	6.03%	1.51%	6.22%	4.1236	0.00202
027.34	1		0.18835													
027.41	26	25	0.21165	0.01352	0.21110	0.01240	0.00175	5.87%	0.01266	0.00672	0.01433	5.98%	3.17%	6.77%	2.1325	0.00639
027.42	16	15	0.21041	0.01745	0.21195	0.01512	0.00276	7.14%	0.01719	0.00425	0.01771	8.17%	2.02%	8.42%	4.1655	0.00426
027.43	11	11	0.20213	0.01163	0.20250	0.00464	0.00099	2.29%	0.01131	0.00384	0.01195	5.60%	1.90%	5.91%	3.1088	0.00415
027.52	1		0.17430													
027.53	1		0.20000													
027.99	1		0.20000													
028.31	14	14	94.641	5.4822	95.351	3.7964	0.71746	3.98%	5.0445	3.0357	5.8875	5.33%	3.21%	6.22%	1.9394	3.3732
028.32	4	4	97.171	6.8190	97.171	6.8190	2.4109	7.02%	6.5736	2.5637	7.0558	6.76%	2.64%	7.26%	2.7522	2.4075
028.33	2	2	1,129.8	1,489.5												
028.41	32	31	94.943	6.8002	95.450	6.1928	0.78649	6.49%	6.4248	3.1510	7.1559	6.77%	3.32%	7.54%	2.2710	3.1560
028.42	19	18	101.44	5.1791	101.32	4.9341	0.82235	4.87%	4.7602	2.8857	5.5666	4.69%	2.84%	5.49%	1.9290	2.9311
028.43	13	13	95.598	8.0450	96.754	6.3156	1.2386	6.53%	7.6949	3.3198	8.3805	8.05%	3.47%	8.77%	2.5244	3.7893
028.52	1		105.80													
028.53	2	2	95.200	0.28284												

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 %rscd	Reproducibility %RSD	sR/sr	Average Range (R-bar)
028.99	1		94.769													
029.99	2	2	0.02913	0.03942												
031.00	1		0.70865													
031.01	71	68	0.70832	0.03415	0.70992	0.02251	0.00193	3.17%	0.03346	0.00966	0.03483	4.72%	1.36%	4.92%	3.6069	0.00966
031.02	4	4	0.75299	0.07645	0.75299	0.07645	0.02703	10.15%	0.07624	0.00802	0.07666	10.13%	1.07%	10.18%	9.5583	0.00878
031.03	7	7	0.70931	0.03234	0.72009	0.01584	0.00423	2.20%	0.03155	0.01006	0.03312	4.45%	1.42%	4.67%	3.2914	0.01216
031.04	1		0.70000													
031.06	3	3	0.69950	0.03005	0.69950	0.03005	0.01227	4.30%	0.02545	0.02262	0.03404	3.64%	3.23%	4.87%	1.5053	0.02767
031.41	38	36	0.71773	0.02982	0.71821	0.02950	0.00348	4.11%	0.02808	0.01419	0.03146	3.91%	1.98%	4.38%	2.2170	0.01488
031.42	20	19	0.71759	0.03448	0.71611	0.02921	0.00474	4.08%	0.03266	0.01563	0.03621	4.55%	2.18%	5.05%	2.3169	0.01506
031.43	14	13	0.72788	0.05314	0.73204	0.05056	0.00992	6.91%	0.05239	0.01260	0.05388	7.20%	1.73%	7.40%	4.2759	0.01423
031.52	1		0.51110													
031.53	3	3	0.69850	0.03797	0.69850	0.03797	0.01550	5.44%	0.03667	0.01391	0.03922	5.25%	1.99%	5.62%	2.8197	0.01700
031.99	6	6	0.81017	0.23630	0.76115	0.15379	0.04439	20.20%	0.23541	0.02887	0.23718	29.06%	3.56%	29.28%	8.2160	0.03000
032.02	3	3	0.80923	0.08475	0.80923	0.08475	0.03460	10.47%	0.08428	0.01261	0.08522	10.41%	1.56%	10.53%	6.7553	0.01313
032.31	20	19	0.85563	0.11573	0.84651	0.05914	0.00959	6.99%	0.11522	0.01544	0.11625	13.47%	1.80%	13.59%	7.5305	0.01598
032.32	4	4	0.85423	0.07084	0.85423	0.07084	0.02505	8.29%	0.07075	0.00502	0.07093	8.28%	0.59%	8.30%	14.116	0.00535
032.33	2	2	0.93175	0.06116												
032.41	28	27	0.83897	0.05266	0.84601	0.02638	0.00359	3.12%	0.05031	0.02199	0.05491	6.00%	2.62%	6.54%	2.4965	0.02108
032.42	17	16	0.87103	0.04694	0.85929	0.03202	0.00566	3.73%	0.04431	0.02194	0.04944	5.09%	2.52%	5.68%	2.2536	0.01654
032.43	12	11	0.85733	0.06800	0.85936	0.05268	0.01123	6.13%	0.06780	0.00730	0.06820	7.91%	0.85%	7.95%	9.3474	0.00882
032.52	1		0.81210													
032.53	1		0.83500													
032.99	1		0.74500													
033.00	39	38	0.34713	0.04798	0.34840	0.03692	0.00424	10.60%	0.04765	0.00797	0.04831	13.73%	2.30%	13.92%	6.0601	0.00835
033.01	44	41	0.41330	0.02392	0.40936	0.01322	0.00146	3.23%	0.02346	0.00658	0.02437	5.68%	1.59%	5.90%	3.7021	0.00652
033.03	7	7	0.37643	0.03694	0.37071	0.02719	0.00727	7.33%	0.02946	0.03151	0.04314	7.83%	8.37%	11.46%	1.3690	0.03000
033.05	3	3	0.38167	0.01893	0.38167	0.01893	0.00773	4.96%	0.01871	0.00408	0.01915	4.90%	1.07%	5.02%	4.6904	0.00333
033.99	9	8	0.39344	0.02652	0.38934	0.01367	0.00342	3.51%	0.02436	0.01483	0.02852	6.19%	3.77%	7.25%	1.9224	0.01813
034.01	1		0.54200													
034.04	7	6	0.50942	0.04866	0.49864	0.03047	0.00879	6.11%	0.04655	0.02005	0.05069	9.14%	3.94%	9.95%	2.5277	0.02017
034.42	1		0.00000													
034.43	1		0.10500													
034.52	1		0.61550													
034.53	2	2	0.50500	0.00707												
035.01	3	3	0.15133	0.01678	0.15133	0.01678	0.00685	11.09%	0.01676	0.00129	0.01681	11.07%	0.85%	11.10%	13.017	0.00133
035.05	6	5	0.16077	0.01044	0.16077	0.01044	0.00330	6.49%	0.01040	0.00128	0.01048	6.47%	0.80%	6.52%	8.1803	0.00138
035.31	19	18	0.16737	0.04347	0.15842	0.02273	0.00379	14.35%	0.04328	0.00565	0.04365	25.86%	3.38%	26.08%	7.7265	0.00490

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 %rstd	Reproducibility %RSD	sR/sr	Average Range (R-bar)
035.32	5	5	0.17553	0.02895	0.17553	0.02895	0.00916	16.49%	0.02773	0.01178	0.03013	15.80%	6.71%	17.16%	2.5573	0.01474
035.33	2	2	0.16175	0.01167												
035.41	29	28	0.15375	0.01067	0.15214	0.00790	0.00106	5.19%	0.00995	0.00545	0.01135	6.47%	3.55%	7.38%	2.0815	0.00522
035.42	15	14	0.15876	0.03000	0.15485	0.01566	0.00296	10.11%	0.02989	0.00362	0.03011	18.83%	2.28%	18.96%	8.3084	0.00346
035.43	10	9	0.14920	0.01801	0.14854	0.01506	0.00355	10.14%	0.01776	0.00422	0.01825	11.90%	2.83%	12.23%	4.3237	0.00407
035.52	1		0.13350													
035.53	1		0.13550													
035.99	2	2	0.15000	0.00000												
036.00	1		0.25000													
036.04	4	4	0.24375	0.02394	0.24375	0.02394	0.00846	9.82%	0.02354	0.00612	0.02432	9.66%	2.51%	9.98%	3.9721	0.00750
036.42	16	15	0.23354	0.01351	0.23290	0.01365	0.00249	5.86%	0.01323	0.00391	0.01379	5.66%	1.67%	5.91%	3.5310	0.00409
036.43	9	9	0.23858	0.01067	0.23891	0.01071	0.00252	4.48%	0.00826	0.00955	0.01263	3.46%	4.00%	5.29%	1.3218	0.00862
036.99	1		0.19000													
037.31	18	18	109.75	18.191	109.39	6.5414	1.0902	5.98%	18.061	3.0703	18.320	16.46%	2.80%	16.69%	5.9668	3.2702
037.32	4	4	115.21	4.5753	115.21	4.5753	1.6176	3.97%	4.5313	0.89557	4.6189	3.93%	0.78%	4.01%	5.1575	1.0450
037.33	2	2	109.00	4.9497												
037.41	32	31	113.40	8.2727	113.88	7.1945	0.91371	6.32%	7.3390	5.3994	9.1112	6.47%	4.76%	8.03%	1.6875	5.1371
037.42	17	16	114.45	6.8121	114.60	7.4102	1.3100	6.47%	6.4297	3.1826	7.1742	5.62%	2.78%	6.27%	2.2542	3.1038
037.43	12	12	109.45	10.992	109.68	11.948	2.4389	10.89%	10.670	3.7376	11.305	9.75%	3.41%	10.33%	3.0247	3.8375
037.52	1		85.535													
037.53	2	2	111.25	6.7175												
037.99	2	2	101.66	27.091												
038.41	1		2.7350													
038.42	3	3	2.4417	0.31394	2.4417	0.31394	0.12817	12.86%	0.03488	0.44123	0.44261	1.43%	18.07%	18.13%	1.0031	0.49667
038.43	6	5	2.6560	0.14467	2.6560	0.14467	0.04575	5.45%	0.13420	0.07642	0.15443	5.05%	2.88%	5.81%	2.0209	0.08800
038.52	1		2.7550													
039.31	1		2.7700													
039.41	1		2.3850													
039.42	2	2	2.1150	1.0394												
039.43	1		2.8850													
039.52	1		2.4950													
040.42	1		3.0700													
040.43	1		3.0600													
041.42	1		0.00000													
045.00	4	4	0.01343	0.00026	0.01343	0.00026	0.00009	1.96%	0.00016	0.00030	0.00034	1.16%	2.23%	2.52%	1.1263	0.00040
045.02	8	8	0.01323	0.00104	0.01292	0.00036	0.00009	2.77%	0.00104	0.00007	0.00104	7.86%	0.53%	7.88%	14.738	0.00008
101.02	3	3	492.77	211.83	492.77	211.83	86.481	42.99%	211.49	17.042	212.18	42.92%	3.46%	43.06%	12.450	22.067
102.01	1		20.900													

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103.01	1		7.3600													
104.00	2	2	5.3175	0.14496												
104.03	1		2.8600													
104.99	1		4.4650													
105.00	1		1.8875													
105.99	1		2.2140													
106.00	1		6.5000													
106.01	2	2	5.9550	1.4849												
106.02	21	20	7.0448	2.6711	6.4180	1.4302	0.22614	22.28%	2.6263	0.68884	2.7152	37.28%	9.78%	38.54%	3.9417	0.75310
107.00	1		27.750													
107.99	1		34.691													
108.01	2	2	1.4030	1.1200												
108.02	5	5	1.3665	0.90096	1.3665	0.90096	0.28491	65.93%	0.88710	0.22263	0.91461	64.92%	16.29%	66.93%	4.1082	0.25100
109.02	14	14	46.322	23.067	45.229	14.659	2.7703	32.41%	23.008	2.3319	23.126	49.67%	5.03%	49.92%	9.9171	2.3814
110.00	1		5.4500													
112.00	2	2	9.9875	3.5532												
112.99	1		5.9750													
113.01	1		1.1700													
113.99	1		1.0000													
114.01	1		0.22200													
120.00	17	17	0.93769	0.06849	0.92076	0.03788	0.00650	4.11%	0.06821	0.00868	0.06876	7.27%	0.93%	7.33%	7.9188	0.00985
120.01	1		0.93000													
120.02	2	2	0.90370	0.07806												
120.05	2	2	0.91350	0.02758												
120.99	1		0.89000													
121.00	17	17	1.0562	0.15086	1.0232	0.03414	0.00586	3.34%	0.15023	0.01945	0.15149	14.22%	1.84%	14.34%	7.7866	0.02045
121.01	1		1.0395													
121.02	2	2	1.0543	0.04766												
121.05	2	2	0.97300	0.08768												
121.99	1		1.0500													
122.00	17	16	1.5190	0.09126	1.5228	0.04193	0.00741	2.75%	0.09055	0.01607	0.09196	5.96%	1.06%	6.05%	5.7234	0.01871
122.01	2	2	1.6078	0.14460												
122.02	2	2	1.5152	0.00675												
122.05	2	2	1.5665	0.01414												
122.99	1		1.4750													
123.99	2	2	3.0575	0.27224												
124.00	16	15	0.30442	0.02052	0.30484	0.02234	0.00408	7.33%	0.01905	0.01079	0.02190	6.26%	3.55%	7.19%	2.0289	0.01063
124.01	1		0.31050													

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)
124.02	2	2	0.30435	0.01322												
124.05	1		0.30000													
124.99	1		0.36500													
125.00	16	15	3.0108	0.15563	3.0038	0.09934	0.01814	3.31%	0.15387	0.03302	0.15737	5.11%	1.10%	5.23%	4.7662	0.03338
125.01	2	2	3.2473	0.01025												
125.02	2	2	2.9300	0.01913												
125.05	1		3.0330													
126.00	17	17	0.74273	0.06203	0.72105	0.01555	0.00267	2.16%	0.06162	0.01015	0.06245	8.30%	1.37%	8.41%	6.1526	0.01094
126.01	2	2	0.87275	0.12905												
126.02	2	2	0.74928	0.01241												
126.05	2	2	0.70900	0.02333												
126.99	1		0.74500													
127.00	17	17	0.47239	0.02354	0.46941	0.02075	0.00356	4.42%	0.02165	0.01309	0.02530	4.58%	2.77%	5.36%	1.9323	0.01355
127.01	2	2	0.48000	0.06364												
127.02	2	2	0.50415	0.06131												
127.05	2	2	0.45850	0.00990												
127.99	1		0.41000													
128.00	17	17	0.66145	0.03518	0.65658	0.02524	0.00433	3.84%	0.03396	0.01298	0.03636	5.13%	1.96%	5.50%	2.8012	0.01609
128.01	2	2	0.75150	0.01909												
128.02	2	2	0.69448	0.03468												
128.05	2	2	0.69725	0.02934												
128.99	1		0.61000													
129.00	17	16	1.4422	0.06077	1.4392	0.05919	0.01046	4.11%	0.05970	0.01605	0.06182	4.14%	1.11%	4.29%	3.8512	0.01943
129.01	2	2	1.5058	0.02722												
129.02	2	2	1.4768	0.02302												
129.05	2	2	1.4428	0.05268												
129.99	1		1.3950													
130.00	17	17	0.86254	0.08302	0.84399	0.03121	0.00535	3.70%	0.08262	0.01145	0.08341	9.58%	1.33%	9.67%	7.2843	0.01320
130.01	3	3	0.85283	0.03481	0.85283	0.03481	0.01421	4.08%	0.03416	0.00943	0.03544	4.01%	1.11%	4.16%	3.7602	0.00833
130.02	2	2	0.81235	0.11222												
130.05	5	5	0.86950	0.03432	0.86950	0.03432	0.01085	3.95%	0.02786	0.02835	0.03975	3.20%	3.26%	4.57%	1.4020	0.02740
130.99	2	2	0.80500	0.01414												
131.00	17	16	0.29818	0.01381	0.29671	0.01202	0.00212	4.05%	0.01268	0.00771	0.01484	4.25%	2.59%	4.98%	1.9248	0.00781
131.01	2	2	0.30450	0.01131												
131.02	3	3	0.28597	0.01603	0.28597	0.01603	0.00654	5.60%	0.01599	0.00153	0.01606	5.59%	0.53%	5.62%	10.532	0.00153
131.05	4	4	0.26400	0.04661	0.26400	0.04661	0.01648	17.66%	0.04651	0.00439	0.04671	17.62%	1.66%	17.69%	10.647	0.00400
131.99	2	2	0.26500	0.03536												
132.00	17	17	0.79561	0.06200	0.79250	0.05844	0.01002	7.37%	0.06066	0.01813	0.06331	7.62%	2.28%	7.96%	3.4928	0.01714

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132.01	2	2	0.84200	0.02546												
132.02	2	2	0.80328	0.01658												
132.05	2	2	0.74975	0.00389												
132.99	1		0.74000													
133.00	17	16	1.1739	0.07158	1.1562	0.05123	0.00906	4.43%	0.07005	0.02083	0.07308	5.97%	1.77%	6.23%	3.5089	0.02308
133.05	2	2	1.1403	0.11066												
133.99	1		1.1650													
134.00	17	16	0.80355	0.04064	0.80751	0.03472	0.00614	4.30%	0.03917	0.01529	0.04205	4.87%	1.90%	5.23%	2.7506	0.01679
134.01	2	2	0.82900	0.06505												
134.02	2	2	0.71865	0.00375												
134.05	2	2	0.75400	0.01768												
134.99	1		0.80000													
135.00	17	17	0.63676	0.06923	0.63638	0.02065	0.00354	3.25%	0.06798	0.01857	0.07047	10.68%	2.92%	11.07%	3.7952	0.01741
135.01	2	2	0.64625	0.06894												
135.02	2	2	0.62805	0.00643												
135.05	3	3	0.61083	0.05669	0.61083	0.05669	0.02314	9.28%	0.05530	0.01765	0.05805	9.05%	2.89%	9.50%	3.2888	0.02100
135.99	1		0.61000													
136.00	3	3	0.16542	0.02530	0.16542	0.02530	0.01033	15.30%	0.02525	0.00230	0.02536	15.27%	1.39%	15.33%	11.033	0.00323
136.01	6	6	0.18208	0.02104	0.18200	0.02368	0.00684	13.01%	0.02087	0.00380	0.02121	11.46%	2.09%	11.65%	5.5872	0.00450
136.03	1		0.17460													
136.99	3	3	0.18467	0.00874	0.18467	0.00874	0.00357	4.73%	0.00808	0.00469	0.00935	4.38%	2.54%	5.06%	1.9924	0.00600
137.00	11	11	0.56383	0.06854	0.56019	0.04109	0.00876	7.33%	0.06765	0.01561	0.06942	12.00%	2.77%	12.31%	4.4475	0.01567
137.01	1		0.63950													
137.02	2	2	0.58785	0.04405												
137.05	2	2	0.49350	0.08768												
137.99	1		0.60000													
138.00	16	16	0.80797	0.05025	0.80625	0.05365	0.00948	6.65%	0.04937	0.01329	0.05112	6.11%	1.65%	6.33%	3.8457	0.01597
138.01	2	2	0.89825	0.02298												
138.02	2	2	0.86333	0.05611												
138.05	2	2	0.88750	0.02333												
138.99	1		0.74000													
139.00	3	3	0.11000	0.16523	0.11000	0.16523	0.06745	150.21%	0.16523	0.00000	0.16523	150.21%	0.00%	150.21%		0.00000
139.02	1		0.00000													
210.99	1		2.0350													
300.01	1		0.45000													
300.07	2	2	4.2750	0.10607												