

AAFCO Check Sample Program

All Methods Report

Sort by Method

Proficiency For Individual Methods

Sample # 201322

Chicken Starter/Grower, Medicated



AAFCO

CHECK SAMPLE PROGRAM

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)	Horwitz %RSD
000.99	1		0.0000														
001.00	8	6	10.586	0.25876	10.548	0.06315	0.01823	0.60%	0.23729	0.14592	0.27857	2.24%	1.38%	2.63%	1.9091	0.14833	2.81%
001.03	9	9	10.422	0.19735	10.432	0.20502	0.04832	1.97%	0.19718	0.01161	0.19752	1.89%	0.11%	1.90%	17.009	0.01172	2.81%
001.05	1		10.100														
001.07	29	28	10.359	0.57499	10.442	0.32326	0.04320	3.10%	0.31840	0.09287	0.33167	3.06%	0.89%	3.19%	3.5713	0.10199	2.81%
001.08	1		10.670														
001.99	15	13	10.283	0.59060	10.430	0.23745	0.04657	2.28%	0.19218	0.09354	0.21373	1.83%	0.89%	2.04%	2.2849	0.12615	2.81%
002.00	7	7	18.651	0.42544	18.675	0.43336	0.11582	2.32%	0.40993	0.16096	0.44040	2.20%	0.86%	2.36%	2.7361	0.20714	2.57%
002.01	10	10	18.472	0.24789	18.491	0.24209	0.05413	1.31%	0.24310	0.06859	0.25259	1.32%	0.37%	1.37%	3.6829	0.07422	2.58%
002.02	4	4	18.769	0.29003	18.769	0.29003	0.10254	1.55%	0.28679	0.06112	0.29323	1.53%	0.33%	1.56%	4.7976	0.06535	2.57%
002.03	2	2	18.551	0.53139													
002.04	4	4	18.144	0.47419	18.144	0.47419	0.16765	2.61%	0.46757	0.11164	0.48072	2.58%	0.62%	2.65%	4.3061	0.12750	2.59%
002.05	30	29	18.555	0.25941	18.573	0.18076	0.02374	0.97%	0.21118	0.05921	0.21933	1.14%	0.32%	1.18%	3.7044	0.06754	2.58%
002.06	212	122	18.820	0.38948	18.848	0.30230	0.01935	1.60%	0.32067	0.11357	0.34018	1.70%	0.60%	1.81%	2.9953	0.13356	2.57%
002.07	1		17.745														
002.08	3	3	18.754	0.13478	18.754	0.13478	0.05503	0.72%	0.12958	0.05245	0.13979	0.69%	0.28%	0.75%	2.6654	0.06340	2.57%
002.10	2	2	18.638	0.37795													
002.11	5	5	18.505	0.23832	18.505	0.23832	0.07536	1.29%	0.23330	0.06884	0.24324	1.26%	0.37%	1.31%	3.5333	0.06980	2.58%
002.99	3	3	18.735	0.11694	18.735	0.11694	0.04774	0.62%	0.07141	0.13096	0.14916	0.38%	0.70%	0.80%	1.1390	0.15667	2.57%
003.00	14	13	3.8997	0.22957	3.9221	0.17316	0.03396	4.42%	0.19892	0.05194	0.20559	5.15%	1.34%	5.32%	3.9583	0.07496	3.26%
003.01	3	3	3.7582	0.16186	3.7582	0.16186	0.06608	4.31%		0.25160			6.69%			0.24273	3.28%
003.06	14	14	3.6971	0.14655	3.6911	0.09311	0.01760	2.52%	0.14267	0.06263	0.15581	3.87%	1.70%	4.22%	2.4876	0.08000	3.29%
003.07	1		4.1150														
003.09	23	21	3.7866	0.20176	3.7573	0.15143	0.02337	4.03%	0.20361	0.04620	0.20879	5.37%	1.22%	5.51%	4.5197	0.05686	3.28%
003.10	28	24	3.5944	0.25407	3.6283	0.11416	0.01648	3.15%	0.12838	0.04967	0.13765	3.53%	1.36%	3.78%	2.7715	0.06390	3.29%
003.11	4	4	3.9109	0.23735	3.9109	0.23735	0.08392	6.07%	0.23678	0.02332	0.23792	6.05%	0.60%	6.08%	10.204	0.02325	3.26%
003.12	11	10	3.8978	0.18958	3.8697	0.13898	0.03108	3.59%	0.09392	0.00984	0.09443	2.45%	0.26%	2.47%	9.5974	0.01590	3.26%

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003.13	7	7	3.6109	0.20927	3.6622	0.09912	0.02649	2.71%		0.14025			3.80%			0.13657	3.29%
003.14	27	26	3.7748	0.25820	3.7599	0.19543	0.02710	5.20%	0.16234	0.11990	0.20182	4.34%	3.21%	5.40%	1.6832	0.11201	3.28%
003.99	8	5	3.6880	0.25388	3.6880	0.25388	0.08029	6.88%	0.06458	0.06062	0.08858	1.70%	1.60%	2.33%	1.4611	0.07600	3.29%
004.00	21	20	3.4416	0.35389	3.4690	0.27633	0.04369	7.97%	0.23450	0.11215	0.25994	6.68%	3.19%	7.40%	2.3178	0.13290	3.32%
004.01	1		4.4900														
004.03	2	2	3.9425	0.47730													
004.06	29	29	3.4868	0.31877	3.4765	0.33260	0.04367	9.57%	0.31442	0.06523	0.32112	9.05%	1.88%	9.24%	4.9228	0.07220	3.32%
004.07	45	45	3.3420	0.46550	3.3574	0.34900	0.03679	10.39%	0.42252	0.10372	0.43506	12.79%	3.14%	13.17%	4.1945	0.11900	3.33%
004.11	4	4	3.9331	0.46280	3.9331	0.46280	0.16363	11.77%	0.45922	0.08134	0.46636	11.68%	2.07%	11.86%	5.7337	0.08425	3.25%
004.99	3	3	3.3733	0.69328	3.3733	0.69328	0.28303	20.55%	0.69104	0.07874	0.69551	20.49%	2.33%	20.62%	8.8330	0.10000	3.33%
005.00	173	92	5.5980	0.13532	5.5933	0.13831	0.01020	2.47%	0.12017	0.04800	0.12940	2.15%	0.86%	2.31%	2.6960	0.05656	3.09%
005.02	1		5.7500														
005.05	20	19	5.7286	0.04926	5.7266	0.05033	0.00816	0.88%	0.03315	0.05153	0.06127	0.58%	0.90%	1.07%	1.1890	0.05079	3.08%
005.11	4	4	6.2025	0.42771	6.2025	0.42771	0.15122	6.90%	0.42698	0.03530	0.42844	6.88%	0.57%	6.91%	12.139	0.04400	3.04%
005.99	12	11	5.6251	0.20255	5.6645	0.11083	0.02363	1.96%	0.07474	0.05745	0.09426	1.32%	1.01%	1.66%	1.6409	0.06082	3.08%
006.01	1		3.1500														
008.02	10	10	5.3350	0.76438	5.1432	0.43977	0.09834	8.55%	0.51478	0.12074	0.52875	10.00%	2.34%	10.27%	4.3793	0.12600	3.13%
008.05	1		5.6000														
008.08	25	24	5.0283	0.69428	5.0285	0.70234	0.10137	13.97%	0.68513	0.15890	0.70331	13.63%	3.16%	13.99%	4.4261	0.16833	3.14%
008.99	2	2	4.8398	0.06399													
009.04	2	2	14.870	3.2810													
009.07	7	7	14.444	0.81770	14.444	0.92727	0.24782	6.42%	0.78604	0.31868	0.84818	5.44%	2.21%	5.87%	2.6616	0.36857	2.68%
009.09	23	23	13.081	0.96640	13.038	0.93634	0.13806	7.18%	0.96387	0.25781	0.99776	7.38%	1.97%	7.64%	3.8701	0.31783	2.72%
009.99	1		11.530														
010.03	7	6	9.8957	1.4033	10.084	1.1827	0.34141	11.73%	1.4028	0.05030	1.4037	14.18%	0.51%	14.18%	27.909	0.06202	2.82%
010.11	4	4	10.373	0.33810	10.373	0.33810	0.11954	3.26%	0.33670	0.04353	0.33950	3.25%	0.42%	3.27%	7.7984	0.05550	2.81%
010.99	9	8	10.384	0.32584	10.321	0.23094	0.05774	2.24%	0.35055	0.04233	0.35310	3.38%	0.41%	3.40%	8.3410	0.08663	2.81%
011.01	159	74	11.242	0.32501	11.236	0.26739	0.02198	2.38%	0.26604	0.09668	0.28306	2.37%	0.86%	2.52%	2.9278	0.12453	2.78%
011.02	4	3	11.243	0.26174	11.243	0.26174	0.10686	2.33%	0.23229	0.17059	0.28820	2.07%	1.52%	2.56%	1.6894	0.22000	2.78%
011.99	2	2	10.990	0.19799													
012.00	10	10	38.372	1.0527	38.610	0.47688	0.10663	1.24%	0.27465	0.33996	0.43704	0.71%	0.88%	1.13%	1.2856	0.32700	2.31%
012.01	3	3	38.272	4.7935	38.272	4.7935	1.9569	12.52%	4.6580	1.6004	4.9252	12.17%	4.18%	12.87%	3.0775	1.8300	2.31%
012.03	4	4	36.235	0.61267	36.235	0.61267	0.21661	1.69%	0.55463	0.36810	0.66567	1.53%	1.02%	1.84%	1.8084	0.43000	2.33%
012.04	5	5	34.957	1.0553	34.957	1.0553	0.33373	3.02%	1.0166	0.40066	1.0927	2.91%	1.15%	3.13%	2.7273	0.51000	2.34%
012.11	3	3	35.834	1.0940	35.834	1.0940	0.44662	3.05%	1.0938	0.03105	1.0942	3.05%	0.09%	3.05%	35.242	0.03733	2.33%
013.00	19	18	4.6903	0.52481	4.6680	0.53795	0.08966	11.52%	0.49258	0.16575	0.51972	10.41%	3.50%	10.98%	3.1355	0.21722	3.17%
013.02	110	33	4.7688	0.34037	4.7636	0.36202	0.04456	7.60%	0.33283	0.07891	0.34206	6.96%	1.65%	7.15%	4.3350	0.09467	3.16%
013.08	1		0.67900														

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013.10	8	7	4.3443	0.18199	4.3568	0.18050	0.04824	4.14%	0.17828	0.05169	0.18562	4.10%	1.19%	4.27%	3.5914	0.06571	3.21%
013.12	1		4.2785														
013.13	4	4	5.0888	0.41377	5.0888	0.41377	0.14629	8.13%	0.36232	0.28260	0.45950	7.12%	5.55%	9.03%	1.6260	0.30750	3.13%
015.41	5	5	66.803	8.2074	66.803	8.2074	2.5954	12.29%	8.4803	0.36413	8.4881	13.01%	0.56%	13.03%	23.311	1.0598	8.50%
015.42	1		77.800														
015.43	3	3	65.885	11.633	65.885	11.633	4.7491	17.66%	11.406	3.2348	11.856	17.31%	4.91%	17.99%	3.6650	3.6967	8.52%
015.52	1		65.472														
017.41	1		10.195														
017.42	2	2	9.9425	0.78842													
017.43	3	3	10.843	0.28006	10.843	0.28006	0.11433	2.58%	0.27350	0.08524	0.28647	2.52%	0.79%	2.64%	3.3606	0.08667	11.17%
019.00	13	12	1.0033	0.05542	1.0064	0.05629	0.01149	5.59%	0.05404	0.00920	0.05482	5.42%	0.92%	5.49%	5.9567	0.01356	4.00%
019.02	1		0.90500														
019.03	2	2	1.0548	0.05625													
019.04	1		1.0100														
019.08	6	6	0.99796	0.05327	0.98352	0.02665	0.00769	2.71%	0.01725	0.01585	0.02343	1.76%	1.62%	2.40%	1.4779	0.02225	4.01%
019.31	25	24	0.98790	0.05804	0.99189	0.05437	0.00785	5.48%	0.05720	0.01399	0.05888	5.79%	1.42%	5.96%	4.2086	0.01584	4.00%
019.32	4	4	1.0136	0.03439	1.0136	0.03439	0.01216	3.39%	0.03347	0.01118	0.03528	3.30%	1.10%	3.48%	3.1555	0.01013	3.99%
019.33	2	2	0.99925	0.02722													
019.41	36	35	1.0134	0.06314	1.0131	0.05487	0.00656	5.42%	0.05729	0.01480	0.05917	5.69%	1.47%	5.88%	3.9972	0.01778	3.99%
019.42	14	13	1.0527	0.06491	1.0468	0.06212	0.01218	5.93%	0.06373	0.01742	0.06607	6.05%	1.65%	6.28%	3.7937	0.01732	3.97%
019.43	14	13	0.99923	0.05338	1.0016	0.05279	0.01035	5.27%	0.04886	0.01256	0.05045	4.92%	1.27%	5.08%	4.0167	0.01662	4.00%
019.44	4	4	1.0205	0.05298	1.0205	0.05298	0.01873	5.19%	0.05226	0.01234	0.05370	5.12%	1.21%	5.26%	4.3518	0.01500	3.99%
019.52	3	3	1.0658	0.10356	1.0658	0.10356	0.04228	9.72%	0.09790	0.04777	0.10893	9.19%	4.48%	10.22%	2.2804	0.06120	3.96%
019.53	2	2	1.0263	0.00177													
021.31	3	3	1.1533	0.82197	1.1533	0.82197	0.33557	71.27%	0.44525	0.02000	0.44570	62.27%	2.80%	62.34%	22.285	0.21333	15.66%
021.41	3	3	0.64827	0.04724	0.64827	0.04724	0.01928	7.29%	0.04389	0.02469	0.05036	6.77%	3.81%	7.77%	2.0396	0.02820	17.08%
021.42	1		0.61500														
021.43	3	3	0.70500	0.09341	0.70500	0.09341	0.03813	13.25%	0.08357	0.05902	0.10231	11.85%	8.37%	14.51%	1.7334	0.07000	16.86%
021.52	1		0.46500														
022.31	13	12	11.962	1.5113	11.874	1.5292	0.31215	12.88%	1.5262	0.60498	1.6418	12.76%	5.06%	13.73%	2.7138	1.0134	11.02%
022.32	3	3	7.6667	6.7144	7.6667	6.7144	2.7411	87.58%	6.7020	0.57735	6.7268	87.42%	7.53%	87.74%	11.651	0.66667	11.77%
022.33	1		12.519														
022.41	29	29	10.917	1.2420	10.648	0.79504	0.10439	7.47%	0.92129	0.81706	1.2314	8.53%	7.57%	11.40%	1.5071	0.78438	11.21%
022.42	12	12	10.219	1.9806	10.617	1.0494	0.21420	9.88%	0.73618	0.64101	0.97614	6.86%	5.97%	9.09%	1.5228	0.73917	11.21%
022.43	12	12	10.910	3.0996	10.220	1.2614	0.25748	12.34%	1.7460	0.70417	1.8826	17.17%	6.93%	18.51%	2.6735	0.82408	11.27%
022.44	3	3	11.100	0.60828	11.100	0.60828	0.24833	5.48%	0.48305	0.52281	0.71181	4.35%	4.71%	6.41%	1.3615	0.60000	11.14%
022.52	1		8.5555														
022.53	2	2	10.125	0.95459													

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025.31	11	11	308.41	26.984	311.10	23.303	4.9682	7.49%	26.737	5.1440	27.228	8.67%	1.67%	8.83%	5.2931	5.8091	6.74%
025.32	1		434.50														
025.41	22	22	326.53	29.989	324.21	15.403	2.3221	4.75%	16.425	8.0122	18.275	5.04%	2.46%	5.61%	2.2809	8.2645	6.70%
025.42	9	8	333.94	24.612	333.94	27.910	6.9775	8.36%	23.781	8.9711	25.416	7.12%	2.69%	7.61%	2.8331	9.7950	6.67%
025.43	11	11	274.11	87.920	290.53	49.402	10.533	17.00%	37.436	12.593	39.497	12.55%	4.22%	13.24%	3.1364	11.435	6.81%
025.52	1		298.40														
027.31	14	13	0.21320	0.01037	0.21292	0.00735	0.00144	3.45%	0.00720	0.00379	0.00814	3.41%	1.79%	3.85%	2.1480	0.00408	5.05%
027.32	3	3	0.21167	0.00577	0.21167	0.00577	0.00236	2.73%		0.00707			3.29%			0.01000	5.05%
027.33	1		0.20400														
027.41	24	24	0.21606	0.00994	0.21586	0.00868	0.00125	4.02%	0.00951	0.00411	0.01036	4.40%	1.90%	4.79%	2.5191	0.00383	5.04%
027.42	11	11	0.22229	0.01376	0.22163	0.01406	0.00300	6.35%	0.01295	0.00656	0.01452	5.83%	2.95%	6.53%	2.2136	0.00731	5.02%
027.43	10	9	0.20694	0.01249	0.20768	0.01293	0.00305	6.22%	0.01215	0.00409	0.01282	5.87%	1.98%	6.19%	3.1342	0.00344	5.07%
027.44	2	2	0.21375	0.00884													
027.52	1		0.19785														
027.53	1		0.21105														
028.31	13	12	81.256	10.299	84.560	4.8204	0.98395	5.70%	6.5693	1.7132	6.7890	7.86%	2.05%	8.12%	3.9628	1.9992	8.20%
028.32	3	3	86.077	1.3866	86.077	1.3866	0.56607	1.61%	1.2272	0.91287	1.5295	1.43%	1.06%	1.78%	1.6755	1.0000	8.18%
028.33	1		81.128														
028.41	28	28	85.233	3.4683	85.221	3.3214	0.44383	3.90%	2.6949	2.1543	3.4502	3.18%	2.54%	4.07%	1.6015	2.6479	8.19%
028.42	12	11	88.870	5.7053	88.995	3.1587	0.67343	3.55%	3.7784	1.9135	4.2353	4.19%	2.12%	4.70%	2.2134	3.3509	8.14%
028.43	12	12	88.702	12.285	87.652	8.4579	1.7265	9.65%	11.326	6.7304	13.175	12.77%	7.59%	14.85%	1.9575	7.0342	8.16%
028.44	4	4	75.150	15.085	75.150	15.085	5.3335	20.07%	18.377	0.74162	18.392	24.70%	1.00%	24.72%	24.799	2.3500	8.35%
028.52	1		72.073														
028.53	2	2	91.900	6.8589													
031.00	1		0.71205														
031.01	46	44	0.75631	0.03615	0.76177	0.01982	0.00211	2.60%	0.02958	0.00785	0.03061	3.91%	1.04%	4.04%	3.8998	0.00846	4.17%
031.02	2	2	0.76698	0.00428													
031.03	6	6	0.76406	0.02381	0.76770	0.01833	0.00529	2.39%	0.01956	0.01919	0.02741	2.56%	2.51%	3.59%	1.4280	0.02165	4.16%
031.06	1		0.73000														
031.41	33	33	0.76986	0.03431	0.77099	0.02297	0.00283	2.98%	0.02344	0.01242	0.02653	3.02%	1.60%	3.42%	2.1356	0.01495	4.16%
031.42	15	14	0.76148	0.03036	0.76098	0.03358	0.00635	4.41%	0.02842	0.01507	0.03217	3.73%	1.98%	4.23%	2.1346	0.01826	4.17%
031.43	14	14	0.76346	0.05228	0.76571	0.04097	0.00774	5.35%	0.03567	0.02039	0.04109	4.61%	2.64%	5.31%	2.0151	0.02050	4.16%
031.44	4	4	0.78844	0.05081	0.78844	0.05081	0.01796	6.44%	0.04911	0.01842	0.05245	6.23%	2.34%	6.65%	2.8474	0.02148	4.15%
031.52	1		0.67400														
031.53	2	2	0.79715	0.00304													
031.99	1		0.76500														
032.02	4	4	0.78079	0.02469	0.78079	0.02469	0.00873	3.16%	0.02445	0.00481	0.02492	3.13%	0.62%	3.19%	5.1815	0.00483	4.15%
032.31	14	13	0.78357	0.05541	0.78006	0.04485	0.00880	5.75%	0.05424	0.00433	0.05441	6.88%	0.55%	6.90%	12.574	0.00528	4.15%

Method Code	Total # Labs Submitting	# Labs Included in Calculations	Mean	SD	Assigned Value - Robust Mean	AAFCO CS ftp - 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)	Horwitz %RSD
032.32	3	3	0.77667	0.04726	0.77667	0.04726	0.01929	6.08%	0.04950	0.00000	0.04950	6.23%	0.00%	6.23%		0.00667	4.15%
032.33	1		0.85950														
032.41	24	23	0.75931	0.03667	0.76037	0.03292	0.00485	4.33%	0.03363	0.02067	0.03948	4.43%	2.72%	5.20%	1.9096	0.02256	4.17%
032.42	12	12	0.79804	0.05150	0.79222	0.04626	0.00944	5.84%	0.05022	0.01616	0.05275	6.29%	2.02%	6.61%	3.2651	0.01936	4.14%
032.43	10	9	0.76672	0.03754	0.77239	0.02904	0.00685	3.76%	0.02115	0.01248	0.02456	2.73%	1.61%	3.17%	1.9679	0.01656	4.16%
032.44	2	2	0.77050	0.04172													
032.52	1		0.81185														
032.53	1		0.77455														
032.99	1		0.46850														
033.00	24	23	0.62762	0.11717	0.64356	0.06760	0.00997	10.50%	0.07220	0.01142	0.07310	11.16%	1.77%	11.30%	6.4005	0.01350	4.27%
033.01	33	32	0.71181	0.03523	0.71441	0.02336	0.00292	3.27%	0.02212	0.00724	0.02328	3.08%	1.01%	3.24%	3.2159	0.00754	4.21%
033.03	5	5	0.55360	0.10270	0.55360	0.10270	0.03248	18.55%	0.10236	0.01185	0.10304	18.49%	2.14%	18.61%	8.6962	0.01240	4.37%
033.05	4	4	0.69725	0.01212	0.69725	0.01212	0.00429	1.74%	0.00897	0.01153	0.01461	1.29%	1.65%	2.10%	1.2667	0.01200	4.22%
033.99	10	10	0.69297	0.10953	0.72741	0.03722	0.00832	5.12%	0.06929	0.02731	0.07448	9.65%	3.80%	10.37%	2.7269	0.04431	4.20%
034.04	5	5	0.49110	0.09804	0.49110	0.09804	0.03100	19.96%	0.09652	0.02429	0.09953	19.65%	4.95%	20.27%	4.0980	0.02780	17.80%
034.31	1		5.8300														
034.32	1		1.1600														
034.43	3	3	0.49767	0.48344	0.49767	0.48344	0.19736	97.14%	0.48018	0.07928	0.48668	96.49%	15.93%	97.79%	6.1386	0.08267	17.77%
034.52	1		0.75000														
034.53	2	2	0.43025	0.02793													
035.01	2	2	0.26500	0.03182													
035.05	4	4	0.27350	0.01131	0.27350	0.01131	0.00400	4.13%	0.01105	0.00335	0.01155	4.04%	1.23%	4.22%	3.4443	0.00400	4.86%
035.31	15	14	0.28100	0.01578	0.28005	0.01445	0.00273	5.16%	0.01594	0.00501	0.01671	5.66%	1.78%	5.94%	3.3322	0.00620	4.84%
035.32	3	3	0.27000	0.06062	0.27000	0.06062	0.02475	22.45%	0.06048	0.00577	0.06076	22.40%	2.14%	22.50%	10.524	0.00667	4.87%
035.41	30	29	0.28153	0.01258	0.28032	0.00935	0.00123	3.33%	0.00956	0.00742	0.01210	3.42%	2.65%	4.33%	1.6312	0.00953	4.84%
035.42	11	11	0.27971	0.01905	0.28023	0.02048	0.00437	7.31%	0.01856	0.00606	0.01952	6.63%	2.17%	6.98%	3.2190	0.00724	4.84%
035.43	10	9	0.26183	0.01909	0.26280	0.01941	0.00457	7.38%	0.01857	0.00626	0.01960	7.09%	2.39%	7.48%	3.1315	0.00589	4.89%
035.52	1		0.27955														
035.53	1		0.27170														
036.04	3	3	0.28500	0.01000	0.28500	0.01000	0.00408	3.51%	0.00866	0.00707	0.01118	3.04%	2.48%	3.92%	1.5811	0.01000	4.83%
036.42	13	13	0.26135	0.01460	0.26138	0.01420	0.00278	5.43%	0.01371	0.00708	0.01543	5.25%	2.71%	5.91%	2.1796	0.00758	4.89%
036.43	7	7	0.27021	0.01922	0.27249	0.01678	0.00448	6.16%	0.01606	0.01494	0.02193	5.94%	5.53%	8.12%	1.4681	0.01786	4.86%
037.31	13	13	99.933	14.044	97.003	8.4855	1.6641	8.75%	9.2575	2.5520	9.6028	9.55%	2.63%	9.90%	3.7628	2.5585	8.04%
037.32	3	3	110.76	23.844	110.76	23.844	9.7343	21.53%		2.5495			2.63%			4.9200	7.88%
037.33	1		94.599														
037.41	29	28	96.953	7.0072	97.195	6.9910	0.93421	7.19%	6.7265	2.7764	7.2770	6.94%	2.86%	7.51%	2.6210	3.0054	8.03%
037.42	11	11	97.663	6.1441	98.111	5.9975	1.2787	6.11%	5.9643	2.0865	6.3187	6.11%	2.14%	6.47%	3.0284	2.0518	8.02%
037.43	13	13	100.23	11.434	98.886	10.150	1.9907	10.26%	11.410	4.0538	12.109	11.32%	4.02%	12.02%	2.9871	4.8282	8.01%

Method Code	Total # Labs Submitting	# Labs Included in Calculations	Mean	SD	Assigned Value - Robust Mean	AAFCO CS ftp - 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)	Horwitz %RSD
037.44	3	3	96.450	7.4167	96.450	7.4167	3.0279	7.69%	7.2056	2.4850	7.6220	7.47%	2.58%	7.90%	3.0673	2.9667	8.04%
037.52	1		71.676														
037.53	2	2	97.500	11.314													
038.41	3	3	1.5722	0.09100	1.5722	0.09100	0.03715	5.79%	0.08393	0.04973	0.09756	5.34%	3.16%	6.21%	1.9616	0.04700	14.94%
038.42	2	2	1.6850	0.29698													
038.43	4	4	1.6538	0.37779	1.6538	0.37779	0.13357	22.84%		0.04916			3.36%			0.14250	14.83%
038.52	1		1.7235														
045.00	4	4	0.01223	0.00099	0.01223	0.00099	0.00035	8.11%	0.00095	0.00042	0.00103	7.75%	3.40%	8.46%	2.4910	0.00050	7.76%
045.02	9	8	0.01086	0.00093	0.01086	0.00106	0.00026	9.72%	0.00092	0.00018	0.00094	8.49%	1.64%	8.65%	5.2602	0.00019	7.90%
101.00	1		7.5000														
101.02	1		413.42														
101.99	1		506.21														
102.01	1		27.240														
102.02	2	2	100.31	101.90													
103.02	1		3.7950														
104.00	1		6.8950														
104.03	3	3	6.5117	1.2285	6.5117	1.2285	0.50155	18.87%	1.1989	0.37958	1.2575	18.41%	5.83%	19.31%	3.3129	0.41000	10.71%
105.00	1		1.4750														
106.00	1		2.2500														
106.01	1		4.8637														
106.02	23	22	3.2507	1.8699	2.9226	1.3211	0.19916	45.20%	1.3322	0.38112	1.3856	44.86%	12.83%	46.66%	3.6357	0.56460	
107.00	2	2	23.554	3.9294													
108.01	2	2	0.50000	0.70711													
108.02	2	2	495.88	700.34													
109.00	1		39.850														
109.01	1		51.700														
109.02	19	18	50.759	9.2418	50.969	7.4743	1.2457	14.66%	7.2057	2.0630	7.4952	13.82%	3.96%	14.37%	3.6331	2.1553	8.85%
112.00	3	3	11.196	9.8133	11.196	9.8133	4.0063	87.65%	9.7927	0.89873	9.8339	87.46%	8.03%	87.83%	10.942	1.0630	11.12%
113.02	2	2	4.9414	5.0326													
114.01	2	2	0.19715	0.01110													
120.00	11	11	1.0425	0.03139	1.0468	0.02448	0.00522	2.34%	0.01798	0.01147	0.02133	1.71%	1.09%	2.03%	1.8601	0.01308	3.97%
120.01	2	2	0.92725	0.06682													
120.02	3	3	1.1100	0.02170	1.1100	0.02170	0.00886	1.96%		0.06192			5.58%			0.05840	3.94%
120.05	3	3	1.0180	0.09287	1.0180	0.09287	0.03791	9.12%	0.13115	0.00310	0.13119	12.92%	0.31%	12.92%	42.252	0.03623	3.99%
121.00	11	11	1.1286	0.04096	1.1350	0.03425	0.00730	3.02%	0.03597	0.01296	0.03823	3.17%	1.14%	3.37%	2.9508	0.01818	3.92%
121.01	2	2	1.2243	0.05056													
121.02	3	3	1.1805	0.05576	1.1805	0.05576	0.02276	4.72%	0.05366	0.02144	0.05779	4.55%	1.82%	4.90%	2.6950	0.02530	3.90%
121.05	3	3	1.0945	0.06216	1.0945	0.06216	0.02538	5.68%	0.05646	0.03677	0.06738	5.16%	3.36%	6.16%	1.8324	0.04520	3.95%

Method Code	Total # Labs Submitting	# Labs Included in Calculations	Mean	SD	Assigned Value - Robust Mean	AAFCO CS ftp - Robust sd	Uncertainty (U)	% RSD	Between Labs sL	Within Labs sT	Reproducibility sR	Between Labs %RSD	Within Labs %rsd	Reproducibility %RSD	sR/sr	Average Range (R-bar)	Horwitz %RSD
122.00	11	11	1.6100	0.03698	1.6113	0.03983	0.00849	2.47%	0.03382	0.02115	0.03989	2.10%	1.31%	2.48%	1.8862	0.02295	3.72%
122.01	2	2	1.7795	0.18455													
122.02	3	3	1.6937	0.06518	1.6937	0.06518	0.02661	3.85%	0.05423	0.05114	0.07454	3.20%	3.02%	4.40%	1.4576	0.06827	3.69%
122.05	3	3	1.6368	0.15495	1.6368	0.15495	0.06326	9.47%	0.14695	0.06949	0.16255	8.98%	4.25%	9.93%	2.3391	0.07587	3.71%
124.00	10	10	0.31024	0.01688	0.30586	0.00735	0.00164	2.40%	0.00533	0.00662	0.00849	1.74%	2.17%	2.78%	1.2837	0.00725	4.78%
124.01	2	2	0.41875	0.22804													
124.02	3	3	0.32252	0.02116	0.32252	0.02116	0.00864	6.56%	0.02028	0.00853	0.02200	6.29%	2.65%	6.82%	2.5783	0.00897	4.74%
124.05	2	2	0.28150	0.10465													
125.00	11	11	3.2358	0.13991	3.2414	0.12512	0.02667	3.86%	0.13868	0.02617	0.14113	4.29%	0.81%	4.36%	5.3925	0.03169	3.35%
125.01	2	2	3.4675	0.15910													
125.02	3	3	3.3240	0.16864	3.3240	0.16864	0.06885	5.07%	0.14291	0.12662	0.19094	4.30%	3.81%	5.74%	1.5079	0.13103	3.34%
125.05	3	3	3.2495	0.26995	3.2495	0.26995	0.11021	8.31%	0.25253	0.13493	0.28631	7.77%	4.15%	8.81%	2.1219	0.13183	3.35%
126.00	11	11	0.81520	0.01153	0.81570	0.01102	0.00235	1.35%	0.00900	0.01019	0.01359	1.10%	1.25%	1.67%	1.3343	0.01058	4.12%
126.01	2	2	0.83325	0.02369													
126.02	3	3	0.88128	0.03509	0.88128	0.03509	0.01433	3.98%	0.03058	0.02435	0.03909	3.47%	2.76%	4.44%	1.6053	0.03103	4.08%
126.05	3	3	0.80388	0.02642	0.80388	0.02642	0.01078	3.29%	0.03454	0.00067	0.03455	4.33%	0.08%	4.33%	51.355	0.02297	4.13%
127.00	11	11	0.50850	0.01279	0.50899	0.00894	0.00191	1.76%	0.01322	0.00369	0.01372	2.60%	0.73%	2.70%	3.7204	0.00521	4.43%
127.01	1		0.48550														
127.02	3	3	0.52250	0.03094	0.52250	0.03094	0.01263	5.92%	0.03008	0.01024	0.03178	5.76%	1.96%	6.08%	3.1034	0.01100	4.41%
127.05	3	3	0.51145	0.01383	0.51145	0.01383	0.00564	2.70%	0.01173	0.01034	0.01564	2.29%	2.02%	3.06%	1.5127	0.01183	4.42%
128.00	11	11	0.72879	0.01868	0.73083	0.01720	0.00367	2.35%	0.01657	0.01218	0.02057	2.27%	1.67%	2.82%	1.6886	0.01182	4.19%
128.01	2	2	0.80950	0.00778													
128.02	3	3	0.76103	0.02309	0.76103	0.02309	0.00943	3.03%		0.03368			4.43%			0.04200	4.17%
128.05	3	3	0.73680	0.04201	0.73680	0.04201	0.01715	5.70%	0.03991	0.01854	0.04401	5.42%	2.52%	5.97%	2.3737	0.02273	4.19%
129.00	11	11	1.6213	0.03334	1.6213	0.03781	0.00806	2.33%	0.03100	0.01735	0.03553	1.91%	1.07%	2.19%	2.0479	0.01726	3.72%
129.01	2	2	1.6060	0.08627													
129.02	3	3	1.7168	0.05063	1.7168	0.05063	0.02067	2.95%		0.07954			4.63%			0.07927	3.69%
129.05	3	3	1.6115	0.07853	1.6115	0.07853	0.03206	4.87%	0.11094	0.00700	0.11116	6.88%	0.43%	6.90%	15.870	0.05683	3.72%
130.00	14	14	0.92508	0.03012	0.93353	0.01001	0.00189	1.07%	0.01409	0.01057	0.01762	1.51%	1.13%	1.89%	1.6670	0.01324	4.04%
130.01	4	4	0.89350	0.03691	0.89350	0.03691	0.01305	4.13%	0.04510	0.00387	0.04527	5.05%	0.43%	5.07%	11.688	0.01550	4.07%
130.02	3	3	0.90418	0.08491	0.90418	0.08491	0.03466	9.39%	0.08406	0.01694	0.08575	9.30%	1.87%	9.48%	5.0627	0.02117	4.06%
130.05	6	6	0.94047	0.06209	0.93378	0.05736	0.01656	6.14%	0.05122	0.04964	0.07133	5.45%	5.28%	7.58%	1.4369	0.04743	4.04%
130.99	2	2	0.84750	0.10253													
131.00	13	13	0.35122	0.01982	0.35017	0.01246	0.00244	3.56%	0.01296	0.00949	0.01606	3.73%	2.73%	4.62%	1.6922	0.01053	4.68%
131.01	3	3	0.35933	0.11780	0.35933	0.11780	0.04809	32.78%	0.11667	0.02301	0.11892	32.47%	6.40%	33.09%	5.1686	0.03200	4.67%
131.02	3	3	0.36052	0.00865	0.36052	0.00865	0.00353	2.40%	0.00370	0.00153	0.00400	1.04%	0.43%	1.13%	2.6102	0.01463	4.66%
131.05	6	6	0.33727	0.04934	0.34052	0.04987	0.01440	14.64%	0.04109	0.03862	0.05640	12.18%	11.45%	16.72%	1.4601	0.03430	4.70%
131.99	2	2	0.39250	0.09546													

Method Code	Total # Labs Submitting	# Labs Included in Calculations	Mean	SD	Assigned Value - Robust Mean	AAFCO CS fp - Robust sd	Uncertainty (U)	% RSD	Between Labs sL	Within Labs sI	Reproducibility sR	Between Labs %RSD	Within Labs %rsd	Reproducibility %RSD	sR/sr	Average Range (R-bar)	Horwitz %RSD
132.00	11	11	0.85764	0.02064	0.85688	0.02168	0.00462	2.53%	0.01833	0.01343	0.02272	2.14%	1.57%	2.65%	1.6923	0.01484	4.09%
132.01	2	2	1.0375	0.18031													
132.02	3	3	0.91783	0.03689	0.91783	0.03689	0.01506	4.02%	0.02588	0.03719	0.04531	2.82%	4.05%	4.94%	1.2183	0.04413	4.05%
132.05	3	3	0.84072	0.03283	0.84072	0.03283	0.01340	3.90%	0.00835	0.00106	0.00841	1.02%	0.13%	1.02%	7.9403	0.02157	4.11%
133.00	11	10	1.1964	0.08312	1.1905	0.05158	0.01153	4.33%	0.08273	0.01129	0.08350	6.92%	0.94%	6.98%	7.3960	0.01321	3.90%
133.05	3	3	1.2066	0.01155	1.2066	0.01155	0.00472	0.96%		0.03940			3.27%			0.04147	3.89%
133.99	2	2	1.5800	0.32527													
134.00	11	11	0.86060	0.06069	0.87209	0.04267	0.00910	4.89%	0.05986	0.01415	0.06151	6.96%	1.64%	7.15%	4.3466	0.01629	4.08%
134.01	2	2	0.94950	0.00071													
134.02	3	3	0.87392	0.09331	0.87392	0.09331	0.03809	10.68%	0.09324	0.00500	0.09338	10.67%	0.57%	10.69%	18.663	0.00603	4.08%
134.05	3	3	0.88960	0.02867	0.88960	0.02867	0.01171	3.22%		0.04639			5.21%			0.05853	4.07%
135.00	11	11	0.68979	0.03034	0.69082	0.02423	0.00517	3.51%	0.02970	0.00877	0.03096	4.30%	1.27%	4.49%	3.5307	0.01127	4.23%
135.01	2	2	0.70625	0.01237													
135.02	3	3	0.70235	0.02626	0.70235	0.02626	0.01072	3.74%	0.03510	0.01150	0.03693	4.97%	1.63%	5.23%	3.2127	0.06630	4.22%
135.05	3	3	0.66762	0.05125	0.66762	0.05125	0.02092	7.68%	0.04689	0.02924	0.05526	7.02%	4.38%	8.28%	1.8898	0.03043	4.25%
136.00	3	3	0.18417	0.03843	0.18417	0.03843	0.01569	20.87%	0.03841	0.00204	0.03846	20.85%	1.11%	20.88%	18.841	0.00233	5.16%
136.01	4	4	0.22138	0.04964	0.22138	0.04964	0.01755	22.42%	0.04958	0.00337	0.04969	22.40%	1.52%	22.45%	14.734	0.00325	5.02%
136.02	1		0.17000														
136.03	2	2	0.20350	0.00707													
136.99	3	3	0.20533	0.01124	0.20533	0.01124	0.00459	5.47%	0.01060	0.00529	0.01185	5.16%	2.58%	5.77%	2.2387	0.00667	5.08%
137.00	10	10	0.59783	0.06225	0.60706	0.04325	0.00967	7.12%	0.04089	0.00990	0.04207	6.67%	1.62%	6.86%	4.2483	0.01515	4.31%
137.01	1		0.69550														
137.02	3	3	0.60438	0.04182	0.60438	0.04182	0.01707	6.92%	0.04118	0.01032	0.04245	6.81%	1.71%	7.02%	4.1149	0.01290	4.31%
137.05	3	3	0.52677	0.08818	0.52677	0.08818	0.03600	16.74%	0.08575	0.02908	0.09054	16.28%	5.52%	17.19%	3.1140	0.03580	4.40%
138.00	11	11	0.91399	0.02673	0.91399	0.03031	0.00646	3.32%	0.02541	0.01174	0.02799	2.78%	1.28%	3.06%	2.3846	0.01195	4.05%
138.01	2	2	1.0398	0.02157													
138.02	3	3	0.99023	0.05533	0.99023	0.05533	0.02259	5.59%	0.04349	0.04837	0.06504	4.39%	4.88%	6.57%	1.3447	0.05320	4.01%
138.05	3	3	0.93045	0.08452	0.93045	0.08452	0.03450	9.08%	0.08189	0.02958	0.08706	8.80%	3.18%	9.36%	2.9436	0.03203	4.04%
139.00	2	2	0.14750	0.12374													
139.02	1		0.00000														
160.99	1		0.48200														
161.99	1		0.00000														
162.99	1		0.11650														
163.99	1		0.76750														
164.99	1		0.00000														
165.99	1		3.7905														
166.99	1		0.83000														
167.99	1		1.9075														

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 %r/sd	Reproducibility %RSD	sR/sr	Average Range (R-bar)	Horwitz %RSD
210.99	1		2.2500														
400.01	3	3	0.58267	0.01402	0.58267	0.01402	0.00572	2.41%	0.01375	0.00387	0.01429	2.36%	0.66%	2.45%	3.6886	0.00400	
516.00	1		0.15000														
516.34	1		0.08600														
516.53	1		0.15235														
518.33	1		0.07850														
518.41	1		0.04500														
518.52	1		0.08950														
518.53	1		0.06925														
520.41	2	2	2.6908	0.30300													
520.43	2	2	3.2425	0.13081													
520.52	1		3.0920														
526.33	1		0.09500														
526.34	1		0.26500														
526.41	1		0.01000														
526.52	1		0.08000														
526.53	1		0.05610														
529.00	1		1.7350														
529.99	1		8.5000														
539.41	2	2	2.0585	0.18880													
539.43	1		2.6750														
539.52	1		2.1795														
600.01	1																
600.12	1																
600.13	1																
600.20	1																
601.23	1																
610.07	1																
610.23	1																
610.25	1																
620.09	1																
630.05	1																
630.20	1																
640.05	1																
640.25	1																
650.06	1																
650.07	1																
650.21	1																

Horwitz %RSD	
Average Range (R-bar)	
sR/sr	
Reproducibility %RSD	
Within Labs %/rsd	
Between Labs %RSD	
Reproducibility sR	
Within Labs sr	
Between Labs sL	
% RSD	
Uncertainty (U)	
AAFCO CS ffp - Robust sd	
Assigned Value - Robust Mean	
SD	
Mean	
# Labs Included in Calculations	1
Total # Labs Submitting	1
Method Code	650.24