

AAFCO Check Sample Program
All Methods Report



AAFCO
Check Sample Program



Proficiency For Individual Methods
Sample # 201527
Chick Starter, Medicated
Regular Program

Labs Reporting: 225
Issue Date : 08/31/2015

Method Code	Total # Labs Submitting	# Labs in Method Precision Calcs	Mean	SD	Assigned Value - Robust Mean	AAFCO CS ffp - Robust sd	Uncertainty (U) - Robust	% RSD - Robust	Between Labs sL	Within Labs sr	Reproducibility SR	Between Labs %RSD	Within Labs %/rsd	Reproducibility %RSD	sR/sr	Average Range (R-bar)	Horwitz %RSD
000.02	1		0.30000														
001.00	9	9	9.8021	0.66723	9.8711	0.61361	0.14463	6.22%	0.64386	0.24757	0.68981	6.57%	2.53%	7.04%	2.7864	0.25622	2.83%
001.03	14	13	10.009	0.10765	10.034	0.11435	0.02161	1.14%	0.10471	0.03535	0.11051	1.05%	0.35%	1.10%	3.1263	0.03164	2.83%
001.05	1		9.8700														
001.07	37	35	9.8350	0.37022	9.8488	0.26552	0.03087	2.70%	0.36303	0.10271	0.37728	3.69%	1.04%	3.84%	3.6732	0.12027	2.83%
001.08	2	0															
001.99	18	17	9.7818	0.47424	9.7309	0.57623	0.09604	5.92%	0.45988	0.16376	0.48817	4.70%	1.67%	4.99%	2.9810	0.16167	2.84%
002.00	4	3	20.698	0.39238	20.698	0.39238	0.22654	1.90%	0.34242	0.27096	0.43665	1.65%	1.31%	2.11%	1.6115	0.52000	2.20%
002.01	15	14	20.679	0.19051	20.692	0.21506	0.03927	1.04%	0.18250	0.07732	0.19820	0.88%	0.37%	0.96%	2.5633	0.10233	2.20%
002.02	4	3	20.932	0.06150	20.932	0.06150	0.03551	0.29%	0.05306	0.04398	0.06892	0.25%	0.21%	0.33%	1.5671	0.07295	2.19%
002.03	1		23.180														
002.04	4	4	20.265	0.31499	20.265	0.31499	0.15749	1.55%	0.27781	0.20994	0.34822	1.37%	1.04%	1.72%	1.6586	0.28000	2.22%
002.05	44	42	20.637	0.26734	20.651	0.26845	0.02895	1.30%	0.25359	0.11965	0.28040	1.23%	0.58%	1.36%	2.3435	0.11972	2.20%
002.06	137	126	21.014	0.23268	21.012	0.25001	0.01527	1.19%	0.20927	0.14387	0.25395	1.00%	0.68%	1.21%	1.7652	0.16453	2.18%
002.08	3	2	20.801	0.00141	20.801	0.00141	0.00100	0.01%		0.10202			0.49%		0.14347	2.19%	
002.10	1		20.850														
002.11	7	7	20.078	1.2386	20.125	1.1086	0.29630	5.51%	1.2364	0.10348	1.2407	6.16%	0.52%	6.18%	11.990	0.11857	2.23%
002.99	4	3	20.497	0.43822	20.497	0.43822	0.25300	2.14%	0.43332	0.09238	0.44306	2.11%	0.45%	2.16%	4.7962	0.49250	2.21%
003.00	16	15	3.7187	0.21312	3.6868	0.24285	0.04293	6.59%	0.18961	0.13760	0.23428	5.10%	3.70%	6.30%	1.7026	0.15063	3.29%
003.01	2	0															
003.06	18	17	3.7181	0.12943	3.7214	0.12349	0.02058	3.32%	0.10533	0.10638	0.14970	2.83%	2.86%	4.03%	1.4073	0.13644	3.28%
003.09	24	21	3.6984	0.24784	3.7351	0.24948	0.03678	6.68%	0.24301	0.06884	0.25257	6.57%	1.86%	6.83%	3.6692	0.09451	3.28%
003.10	34	31	3.6006	0.20743	3.5863	0.15253	0.01850	4.25%	0.19919	0.08182	0.21535	5.53%	2.27%	5.98%	2.6318	0.09783	3.30%
003.11	6	6	3.3342	0.48294	3.3638	0.48761	0.14076	14.50%	0.48144	0.05377	0.48444	14.44%	1.61%	14.53%	9.0087	0.05500	3.33%
003.12	9	8	3.5667	0.10760	3.5667	0.12202	0.03051	3.42%	0.10671	0.01961	0.10849	2.99%	0.55%	3.04%	5.5328	0.02519	3.30%
003.13	10	9	3.7858	0.16314	3.7441	0.18830	0.04211	5.03%	0.15118	0.08673	0.17429	3.99%	2.29%	4.60%	2.0096	0.11970	3.28%
003.14	40	38	3.4665	0.28745	3.5014	0.20858	0.02362	5.96%	0.27216	0.13081	0.30196	7.85%	3.77%	8.71%	2.3084	0.13658	3.31%
003.99	3	2	3.5175	0.03889	3.5175	0.03889	0.02750	1.11%	0.03873	0.00500	0.03905	1.10%	0.14%	1.11%	7.8102	0.03333	3.31%
004.00	24	22	3.4610	0.28573	3.4386	0.28726	0.04146	8.35%	0.25465	0.18327	0.31375	7.36%	5.30%	9.07%	1.7119	0.17657	3.32%
004.01	2	0															
004.03	5	4	3.3323	0.19780	3.3323	0.19780	0.09890	5.94%	0.18606	0.09494	0.20888	5.58%	2.85%	6.27%	2.2002	0.09304	3.34%
004.06	36	34	3.5582	0.31604	3.5417	0.29589	0.03537	8.35%	0.30994	0.08739	0.32202	8.71%	2.46%	9.05%	3.6849	0.10027	3.31%

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004.07	62	59	3.2129	0.36502	3.2044	0.37307	0.03378	11.64%	0.35562	0.11644	0.37419	11.07%	3.62%	11.65%	3.2136	0.13554	3.36%
004.11	5	5	4.2090	0.55744	4.2090	0.55744	0.24930	13.24%	0.54705	0.15149	0.56764	13.00%	3.60%	13.49%	3.7470	0.14200	3.22%
004.99	3	2	3.0500	0.21213	3.0500	0.21213	0.15000	6.96%	0.21213	0.00000	0.21213	6.96%	0.00%	6.96%		0.14000	3.38%
005.00	100	94	7.5554	0.15721	7.5623	0.16453	0.01169	2.18%	0.14941	0.06915	0.16463	1.98%	0.92%	2.18%	2.3810	0.08069	2.95%
005.05	35	32	7.6773	0.11462	7.6788	0.10793	0.01328	1.41%	0.11331	0.02449	0.11592	1.48%	0.32%	1.51%	4.7342	0.02825	2.94%
005.11	6	6	8.5933	1.8376	9.4326	0.63687	0.18385	6.75%	1.8370	0.06831	1.8383	21.38%	0.79%	21.39%	26.910	0.08000	2.85%
005.99	11	11	7.6505	0.13981	7.6654	0.12918	0.02754	1.69%	0.13772	0.03405	0.14187	1.80%	0.45%	1.85%	4.1671	0.03727	2.94%
006.00	1		4.3870														
006.01	1		5.1600														
006.99	5	5	4.4058	1.4139	4.4058	1.4139	0.63230	32.09%	1.4130	0.06993	1.4147	32.07%	1.59%	32.11%	20.231	0.07000	3.20%
008.02	11	10	4.9602	0.44943	4.9706	0.15788	0.03366	3.18%	0.43899	0.13619	0.45963	8.85%	2.75%	9.27%	3.3750	0.15349	3.14%
008.05	1		4.9000														
008.08	32	30	4.6647	0.58471	4.6694	0.59492	0.07555	12.74%	0.56286	0.22390	0.60576	12.07%	4.80%	12.99%	2.7055	0.24767	3.17%
008.99	1		7.1800														
009.07	8	8	13.189	2.0775	13.189	2.3558	0.58896	17.86%	2.0561	0.42059	2.0986	15.59%	3.19%	15.91%	4.9897	0.46230	2.71%
009.09	33	32	12.086	1.2145	11.932	1.1333	0.13951	9.50%	1.1881	0.35614	1.2403	9.83%	2.95%	10.26%	3.4827	0.35110	2.75%
009.99	2	0															
010.03	3	3	10.502	0.38478	10.502	0.38478	0.22215	3.66%	0.28951	0.35845	0.46076	2.76%	3.41%	4.39%	1.2854	0.41000	2.81%
010.11	6	5	10.196	0.79053	10.196	0.79053	0.24999	7.75%	0.79028	0.02757	0.79077	7.75%	0.27%	7.76%	28.684	0.02800	2.82%
010.99	14	13	9.9292	0.48618	9.9265	0.53700	0.10532	5.41%	0.48275	0.08162	0.48960	4.86%	0.82%	4.93%	5.9986	0.09231	2.83%
011.01	80	75	10.640	0.49884	10.661	0.41479	0.03300	3.89%	0.48783	0.14736	0.50961	4.58%	1.38%	4.79%	3.4582	0.15517	2.80%
011.02	2	0															
011.03	1		6.5900														
011.99	4	4	10.525	0.15171	10.525	0.15171	0.07586	1.44%	0.11887	0.13332	0.17862	1.13%	1.27%	1.70%	1.3397	0.12500	2.81%
012.00	10	9	37.179	0.72235	37.019	0.96328	0.21540	2.60%	0.69253	0.29051	0.75100	1.86%	0.78%	2.02%	2.5851	0.26700	1.64%
012.01	7	6	34.416	2.2733	34.615	2.1751	0.58132	6.28%	2.2288	0.63258	2.3169	6.48%	1.84%	6.73%	3.6626	1.2826	1.70%
012.02	1		36.250														
012.03	4	4	36.135	1.2855	36.135	1.2855	0.64276	3.56%	1.2384	0.48762	1.3310	3.43%	1.35%	3.68%	2.7295	0.67000	1.66%
012.04	5	5	34.498	1.9221	34.498	1.9221	0.85959	5.57%	1.9142	0.24605	1.9299	5.55%	0.71%	5.59%	7.8438	0.33600	1.70%
012.11	6	4	33.266	3.1353	34.114	3.3115	1.0472	9.71%	3.1353	0.01541	3.1353	9.42%	0.05%	9.42%	203.45	0.06800	1.71%
013.00	19	18	4.5847	0.49342	4.5807	0.55099	0.09183	12.03%	0.48403	0.13545	0.50263	10.56%	2.95%	10.96%	3.7107	0.15165	3.18%
013.02	23	22	4.9039	0.35571	4.9109	0.39594	0.05838	8.06%	0.34722	0.10924	0.36400	7.08%	2.23%	7.42%	3.3322	0.12979	3.15%
013.08	1		2.8500														
013.10	10	10	4.3254	0.40168	4.3225	0.44932	0.10047	10.39%	0.37072	0.21867	0.43041	8.57%	5.06%	9.95%	1.9683	0.24115	3.21%
013.13	4	4	5.0025	0.44031	5.0025	0.44031	0.22016	8.80%	0.42277	0.17400	0.45718	8.45%	3.48%	9.14%	2.6275	0.23000	3.14%
015.41	5	5	178.94	25.120	178.94	25.120	11.234	14.04%	24.306	8.9684	25.908	13.58%	5.01%	14.48%	2.8888	10.696	7.33%
015.42	1		172.05														
015.43	6	6	164.04	20.553	163.65	22.497	6.4942	13.75%	18.535	12.562	22.391	11.30%	7.66%	13.65%	1.7824	12.818	7.43%
017.41	2	0															
017.42	4	3	10.926	1.6275	10.926	1.6275	0.93964	14.90%	1.6272	0.04313	1.6278	14.89%	0.39%	14.90%	37.739	0.20815	11.16%
017.43	5	4	9.1813	1.9056	9.1813	1.9056	0.95281	20.76%	1.8700	0.51866	1.9406	20.37%	5.65%	21.14%	3.7415	1.2640	11.46%
019.00	24	22	1.4774	0.07558	1.4764	0.06897	0.01017	4.67%	0.07515	0.01129	0.07600	5.09%	0.76%	5.14%	6.7303	0.01545	3.77%
019.03	1		1.4705														

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019.08	9	7	1.4496	0.04047	1.4378	0.05682	0.01421	3.95%	0.03765	0.02097	0.04310	2.60%	1.45%	2.97%	2.0556	0.03150	3.79%
019.09	1		1.3610														
019.31	28	25	1.4482	0.05868	1.4585	0.05028	0.00684	3.45%	0.05654	0.02220	0.06075	3.90%	1.53%	4.19%	2.7362	0.03577	3.78%
019.32	6	5	1.4848	0.04864	1.4848	0.04864	0.01538	3.28%	0.04581	0.02309	0.05130	3.09%	1.55%	3.46%	2.2220	0.02598	3.77%
019.33	2	0															
019.35	1		1.6100														
019.41	41	38	1.4911	0.06809	1.4962	0.06825	0.00763	4.56%	0.06506	0.02841	0.07099	4.36%	1.91%	4.76%	2.4988	0.03184	3.76%
019.42	22	21	1.5048	0.07546	1.5092	0.08120	0.01224	5.38%	0.06991	0.04019	0.08064	4.65%	2.67%	5.36%	2.0063	0.04197	3.76%
019.43	22	19	1.4986	0.07784	1.4998	0.07793	0.01202	5.20%	0.07579	0.02510	0.07984	5.06%	1.67%	5.33%	3.1808	0.03329	3.76%
019.44	3	3	1.4667	0.04311	1.4667	0.04311	0.02489	2.94%	0.04173	0.01528	0.04444	2.85%	1.04%	3.03%	2.9093	0.02000	3.78%
019.52	2	0															
019.53	2	0															
019.99	6	4	1.4288	0.19337	1.3331	0.27184	0.08596	20.39%	0.19327	0.00866	0.19346	13.53%	0.61%	13.54%	22.330	0.02814	3.83%
021.31	4	3	2.7600	1.5881	2.7600	1.5881	0.91690	57.54%	1.5881	0.00000	1.5881	57.54%	0.00%	57.54%		0.05000	13.73%
021.41	4	3	2.4441	0.67390	2.4441	0.67390	0.38908	27.57%	0.67373	0.02143	0.67408	27.57%	0.88%	27.58%	31.450	0.06063	13.98%
021.42	2	0															
021.43	5	5	2.8817	0.18883	2.8817	0.18883	0.08445	6.55%	0.05222	0.25663	0.26189	1.81%	8.91%	9.09%	1.0205	0.27938	13.64%
021.52	1		2.0000														
021.53	5	5	2.3164	0.38181	2.3164	0.38181	0.17075	16.48%	0.28273	0.36288	0.46002	12.21%	15.67%	19.86%	1.2677	0.39232	14.10%
022.31	18	15	75.954	3.6961	76.707	4.6314	0.79428	6.04%	3.5292	1.5528	3.8557	4.65%	2.04%	5.08%	2.4831	2.0653	8.32%
022.32	6	6	86.724	5.6307	86.600	6.1239	1.7678	7.07%	5.5864	0.99728	5.6747	6.44%	1.15%	6.54%	5.6902	0.97833	8.17%
022.33	4	4	82.826	5.2842	82.826	5.2842	2.6421	6.38%	5.2165	1.1922	5.3510	6.30%	1.44%	6.46%	4.4883	1.3875	8.23%
022.41	31	29	77.637	4.6055	77.359	4.9482	0.63881	6.40%	4.3718	2.0484	4.8279	5.63%	2.64%	6.22%	2.3569	2.6150	8.31%
022.42	20	19	82.869	6.3821	82.536	5.3753	0.84991	6.51%	5.7653	3.8711	6.9444	6.96%	4.67%	8.38%	1.7939	3.7136	8.23%
022.43	20	17	79.619	2.9903	80.235	3.8182	0.61940	4.76%	2.4275	2.4694	3.4628	3.05%	3.10%	4.35%	1.4023	2.9700	8.27%
022.44	2	0															
022.52	2	0															
022.53	3	3	77.585	5.4618	77.585	5.4618	3.1534	7.04%	5.3073	1.8244	5.6121	6.84%	2.35%	7.23%	3.0761	2.0900	8.31%
022.99	2	0															
023.01	1		18.450														
024.53	2	0															
024.99	1		6.3900														
025.31	17	14	990.63	121.95	997.59	114.44	20.231	11.47%	121.52	14.465	122.38	12.27%	1.46%	12.35%	8.4600	20.234	5.66%
025.32	5	5	990.74	140.52	990.74	140.52	62.843	14.18%	138.35	34.793	142.66	13.96%	3.51%	14.40%	4.1002	37.960	5.66%
025.33	4	3	813.95	360.36	813.95	360.36	208.05	44.27%	360.35	2.9826	360.36	44.27%	0.37%	44.27%	120.82	27.918	5.83%
025.41	34	31	883.63	146.35	901.53	121.00	14.895	13.42%	144.99	28.112	147.69	16.41%	3.18%	16.71%	5.2536	30.027	5.75%
025.42	17	15	622.43	154.33	641.05	189.00	33.410	29.48%	153.59	21.303	155.06	24.68%	3.42%	24.91%	7.2788	27.408	6.05%
025.43	20	18	757.86	284.59	792.18	244.00	39.581	30.80%	284.33	17.053	284.85	37.52%	2.25%	37.59%	16.704	24.683	5.86%
025.52	2	0															
025.53	1		929.72														
025.99	2	0															
027.31	18	16	0.27143	0.01534	0.27305	0.01300	0.00223	4.76%	0.01506	0.00410	0.01561	5.55%	1.51%	5.75%	3.8039	0.00472	4.86%
027.32	6	4	0.27803	0.00682	0.26342	0.03319	0.01049	12.60%	0.00532	0.00603	0.00804	1.91%	2.17%	2.89%	1.3342	0.00728	4.89%

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027.33	2	0															
027.35	1		0.09000														
027.41	34	31	0.27485	0.00997	0.27483	0.01046	0.00131	3.81%	0.00914	0.00563	0.01073	3.33%	2.05%	3.91%	1.9073	0.00548	4.86%
027.42	18	16	0.27709	0.01285	0.27663	0.01012	0.00174	3.66%	0.01229	0.00535	0.01340	4.43%	1.93%	4.84%	2.5047	0.00641	4.85%
027.43	19	18	0.27853	0.01149	0.27757	0.01217	0.00197	4.39%	0.01047	0.00669	0.01243	3.76%	2.40%	4.46%	1.8565	0.00733	4.85%
027.44	3	3	0.27017	0.01831	0.27017	0.01831	0.01057	6.78%	0.01818	0.00308	0.01843	6.73%	1.14%	6.82%	5.9810	0.00433	4.87%
027.52	2	0															
027.53	1		0.27000														
027.99	3	2	0.28500	0.00707	0.28500	0.00707	0.00500	2.48%	0.00707	0.00000	0.00707	2.48%	0.00%	2.48%		0.00077	4.83%
028.31	17	15	219.65	12.873	220.29	14.890	2.5537	6.76%	12.084	6.2782	13.617	5.50%	2.86%	6.20%	2.1690	6.4143	7.10%
028.32	6	4	212.66	25.509	213.02	22.107	6.9907	10.38%	25.507	0.42720	25.510	11.99%	0.20%	12.00%	59.715	0.96000	7.14%
028.33	3	3	200.60	21.246	200.60	21.246	12.266	10.59%	21.163	2.6556	21.329	10.55%	1.32%	10.63%	8.0316	3.0300	7.20%
028.41	32	27	215.40	7.4185	215.02	7.4766	0.94953	3.48%	7.0821	3.1236	7.7403	3.29%	1.45%	3.59%	2.4780	3.8038	7.13%
028.42	19	15	223.24	11.296	222.52	12.468	2.0779	5.60%	11.056	3.2793	11.532	4.95%	1.47%	5.17%	3.5166	5.8255	7.09%
028.43	21	18	218.72	12.170	220.61	13.579	2.1470	6.16%	10.886	7.6945	13.331	4.98%	3.52%	6.09%	1.7325	9.8090	7.10%
028.44	3	3	196.50	35.032	196.50	35.032	20.226	17.83%	34.232	10.528	35.814	17.42%	5.36%	18.23%	3.4019	11.000	7.23%
028.52	2	0															
028.53	2	0															
028.99	2	0															
031.00	2	0															
031.01	58	51	0.93355	0.03478	0.93621	0.02761	0.00259	2.95%	0.03386	0.01123	0.03568	3.63%	1.20%	3.82%	3.1758	0.01314	4.04%
031.02	4	4	0.94453	0.01113	0.94453	0.01113	0.00557	1.18%	0.01025	0.00612	0.01194	1.09%	0.65%	1.26%	1.9504	0.00750	4.03%
031.03	5	4	0.87038	0.12297	0.87038	0.12297	0.06148	14.13%	0.12274	0.01049	0.12319	14.10%	1.21%	14.15%	11.739	0.40984	4.08%
031.06	2	0															
031.41	37	34	0.95446	0.04120	0.95057	0.02482	0.00292	2.61%	0.03955	0.01635	0.04279	4.14%	1.71%	4.48%	2.6180	0.01953	4.03%
031.42	22	20	0.92842	0.04103	0.92412	0.04433	0.00668	4.80%	0.03438	0.03166	0.04674	3.70%	3.41%	5.03%	1.4763	0.03303	4.05%
031.43	20	18	0.93969	0.02518	0.94182	0.02945	0.00478	3.13%	0.02175	0.01794	0.02820	2.32%	1.91%	3.00%	1.5717	0.02236	4.04%
031.44	3	3	0.90533	0.03647	0.90533	0.03647	0.02106	4.03%	0.03440	0.01715	0.03844	3.80%	1.89%	4.25%	2.2416	0.01933	4.06%
031.52	1		0.86885														
031.53	2	0															
031.99	6	5	0.92600	0.02356	0.91842	0.03185	0.00919	3.47%	0.02269	0.00894	0.02439	2.45%	0.97%	2.63%	2.7272	0.01025	4.05%
032.02	4	4	0.90325	0.02249	0.90325	0.02249	0.01124	2.49%	0.01216	0.02675	0.02938	1.35%	2.96%	3.25%	1.0985	0.02950	4.06%
032.31	19	19	0.92722	0.07453	0.92653	0.07405	0.01201	7.99%	0.07384	0.01426	0.07520	7.96%	1.54%	8.11%	5.2722	0.01404	4.05%
032.32	5	4	0.96299	0.05320	0.96299	0.05320	0.02660	5.52%	0.04768	0.03335	0.05819	4.95%	3.46%	6.04%	1.7449	4.2253	4.02%
032.41	35	32	0.92569	0.04294	0.93155	0.04186	0.00508	4.49%	0.04085	0.01870	0.04493	4.41%	2.02%	4.85%	2.4029	0.02262	4.04%
032.42	21	19	0.94718	0.04004	0.95274	0.04228	0.00669	4.44%	0.03607	0.02458	0.04365	3.81%	2.59%	4.61%	1.7761	0.02547	4.03%
032.43	19	17	0.92332	0.05247	0.92571	0.03591	0.00599	3.88%	0.05139	0.01500	0.05353	5.57%	1.62%	5.80%	3.5683	0.01881	4.05%
032.44	3	3	0.89150	0.03005	0.89150	0.03005	0.01735	3.37%	0.02959	0.00740	0.03051	3.32%	0.83%	3.42%	4.1198	0.00967	4.07%
032.52	1		0.94710														
032.53	2	0															
032.99	4	4	0.92324	0.10155	0.92324	0.10155	0.05077	11.00%	0.10127	0.01051	0.10182	10.97%	1.14%	11.03%	9.6908	0.01343	4.05%
033.00	32	28	0.67330	0.05022	0.67301	0.05538	0.00703	8.23%	0.04962	0.01090	0.05081	7.37%	1.62%	7.55%	4.6599	0.01496	4.25%
033.01	38	33	0.73779	0.01988	0.73547	0.01595	0.00188	2.17%	0.01913	0.00765	0.02060	2.59%	1.04%	2.79%	2.6929	0.00934	4.19%

Method Code	Total # Labs Submitting	# Labs in Method Precision Calcs	Mean	SD	Assigned Value - Robust Mean	AAFCO CS ffp - Robust sd	Uncertainty (U) - Robust	% RSD - Robust	Between Labs sL	Within Labs sr	Reproducibility sR	Between Labs %RSD	Within Labs %rsd	Reproducibility %RSD	sR/sr	Average Range (R-bar)	Horwitz %RSD
033.03	6	4	0.65750	0.02872	0.65000	0.03000	0.00949	4.62%	0.02872	0.00000	0.02872	4.37%	0.00%	4.37%	0.00200	4.27%	
033.05	3	3	0.66667	0.23024	0.66667	0.23024	0.13293	34.54%	0.23005	0.01291	0.23042	34.51%	1.94%	34.56%	17.848	0.01333	4.25%
033.99	10	9	0.81922	0.18625	0.74222	0.04449	0.01049	5.99%	0.18541	0.02501	0.18709	22.63%	3.05%	22.84%	7.4797	0.02911	4.18%
034.01	2	0															
034.04	5	4	1.0000	0.08317	1.0000	0.08317	0.04158	8.32%	0.05726	0.08529	0.10273	5.73%	8.53%	10.27%	1.2045	0.25600	16.00%
034.41	1		0.75050														
034.43	1		1.2325														
034.52	1		0.95500														
034.53	6	5	1.0803	0.14058	1.0803	0.14058	0.04445	13.01%	0.12742	0.08399	0.15261	11.79%	7.77%	14.13%	1.8170	0.09824	15.81%
034.99	1		0.91500														
035.01	3	3	0.26483	0.01266	0.26483	0.01266	0.00731	4.78%	0.01096	0.00897	0.01416	4.14%	3.39%	5.35%	1.5785	0.01167	4.89%
035.05	3	3	0.26000	0.01000	0.26000	0.01000	0.00577	3.85%	0.00577	0.01155	0.01291	2.22%	4.44%	4.97%	1.1180	0.01333	4.90%
035.31	19	18	0.26299	0.01572	0.26431	0.01381	0.00224	5.22%	0.01538	0.00460	0.01605	5.85%	1.75%	6.10%	3.4902	0.00556	4.89%
035.32	3	3	0.27445	0.02837	0.27445	0.02837	0.01638	10.34%	0.02793	0.00703	0.02880	10.18%	2.56%	10.49%	4.0975	0.00970	4.86%
035.41	33	32	0.26634	0.01524	0.26650	0.01515	0.00187	5.69%	0.01379	0.00919	0.01657	5.18%	3.45%	6.22%	1.8028	0.00924	4.88%
035.42	18	16	0.26213	0.01866	0.26161	0.01854	0.00318	7.09%	0.01689	0.01120	0.02027	6.44%	4.27%	7.73%	1.8095	0.01348	4.89%
035.43	13	12	0.26028	0.01053	0.25881	0.01291	0.00253	4.99%	0.00729	0.01074	0.01298	2.80%	4.13%	4.99%	1.2087	0.01111	4.90%
035.52	2	0															
035.53	2	0															
035.99	5	3	0.24667	0.02517	0.24667	0.02517	0.01453	10.20%	0.02517	0.00000	0.02517	10.20%	0.00%	10.20%	0.00912	4.94%	
036.00	1		0.31000														
036.04	5	4	0.34466	0.01951	0.34466	0.01951	0.00975	5.66%	0.01940	0.00288	0.01962	5.63%	0.83%	5.69%	6.8163	0.00630	4.70%
036.42	21	20	0.33635	0.04262	0.33308	0.02852	0.00440	8.56%	0.04194	0.01072	0.04329	12.47%	3.19%	12.87%	4.0384	0.01271	4.72%
036.43	11	10	0.34343	0.01866	0.34529	0.01397	0.00312	4.05%	0.01593	0.01373	0.02104	4.64%	4.00%	6.13%	1.5317	0.01478	4.69%
036.99	2	0															
037.31	20	18	236.32	11.747	236.36	9.8467	1.5973	4.17%	11.113	5.3864	12.349	4.70%	2.28%	5.23%	2.2927	5.1749	7.03%
037.32	6	5	252.02	13.992	246.59	16.672	4.8127	6.76%	13.190	6.6013	14.750	5.23%	2.62%	5.85%	2.2344	6.9500	6.98%
037.33	4	3	236.09	4.5594	236.09	4.5594	2.6324	1.93%	0.64674	6.3828	6.4155	0.27%	2.70%	2.72%	1.0051	10.178	7.03%
037.41	31	26	234.71	11.745	234.07	11.113	1.4346	4.75%	11.302	4.5191	12.172	4.82%	1.93%	5.19%	2.6934	5.6155	7.04%
037.42	20	19	232.93	30.076	234.69	24.264	3.8365	10.34%	29.251	9.8941	30.879	12.56%	4.25%	13.26%	3.1210	10.081	7.04%
037.43	22	21	241.99	19.718	237.87	17.439	2.6290	7.33%	19.471	4.4011	19.962	8.05%	1.82%	8.25%	4.5356	5.6491	7.02%
037.44	2	0															
037.52	2	0															
037.53	2	0															
037.99	3	3	238.50	20.075	238.50	20.075	11.590	8.42%	19.952	3.1358	20.197	8.37%	1.31%	8.47%	6.4407	3.6667	7.02%
038.41	2	0															
038.42	3	3	1.3044	0.12478	1.3044	0.12478	0.07204	9.57%	0.08247	0.13243	0.15601	6.32%	10.15%	11.96%	1.1781	0.15423	15.37%
038.43	5	5	1.2790	0.36125	1.2790	0.36125	0.16156	28.25%	0.35662	0.08155	0.36583	27.88%	6.38%	28.60%	4.4861	0.08600	15.42%
038.52	1		1.6000														
038.53	4	4	1.4835	0.20660	1.4835	0.20660	0.10330	13.93%	0.19145	0.10982	0.22071	12.91%	7.40%	14.88%	2.0098	0.11708	15.07%
040.42	1		8.6600														
040.43	1		8.8395														
040.52	1		8.9000														

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040.53	1		8.5725														
041.52	1		1.5000														
041.53	2	0															
042.00	2	0															
042.99	1		0.43000														
045.00	6	5	104.13	5.3457	101.87	5.0800	1.4665	4.99%	5.1300	2.1263	5.5532	4.93%	2.04%	5.33%	2.6117	2.2167	7.98%
045.02	10	9	106.04	10.507	105.95	10.406	2.3269	9.82%	10.365	2.4347	10.647	9.78%	2.30%	10.04%	4.3732	3.5000	7.93%
045.99	1		106.68														
048.00	1		108.50														
048.01	3	3	114.27	15.402	114.27	15.402	8.8926	13.48%	15.269	2.8586	15.534	13.36%	2.50%	13.59%	5.4343	3.6755	7.84%
048.04	2	0															
099.01	1		5.6500														
101.00	1		2,050.0														
101.02	2	0															
101.99	2	0															
102.01	2	0															
102.02	1		244.00														
103.01	2	0															
103.02	1		24.300														
104.00	2	0															
104.03	4	3	15.231	0.63323	15.231	0.63323	0.36560	4.16%	0.47422	0.59346	0.75966	3.11%	3.90%	4.99%	1.2800	0.66908	10.62%
105.00	5	5	17.711	3.1891	17.711	3.1891	1.4262	18.01%	3.1628	0.57755	3.2151	17.86%	3.26%	18.15%	5.5668	0.64580	10.38%
106.00	3	3	28.529	9.2633	28.529	9.2633	5.3482	32.47%	9.2358	1.0095	9.2908	32.37%	3.54%	32.57%	9.2037	1.1300	
106.01	1		42.700														
106.02	22	19	31.123	7.1300	31.440	6.1278	0.94553	19.49%	7.0290	1.6912	7.2296	22.58%	5.43%	23.23%	4.2748	2.2108	
107.00	2	0															
108.01	1		4.8000														
108.02	7	6	4.7217	0.78538	4.9648	1.0923	0.29192	22.00%	0.76663	0.24127	0.80370	16.24%	5.11%	17.02%	3.3312	0.28371	
108.99	1		5.8100														
109.02	22	19	80.091	27.235	83.456	19.769	2.9802	23.69%	27.100	3.8370	27.370	33.84%	4.79%	34.17%	7.1333	6.2098	8.22%
112.00	1		8.7800														
112.01	1		43.500														
113.01	2	0															
114.01	2	0															
120.00	18	16	1.1308	0.02418	1.1320	0.02853	0.00475	2.52%	0.02338	0.00876	0.02496	2.07%	0.77%	2.21%	2.8507	0.01206	3.93%
120.01	1		1.0610														
120.02	1		1.1475														
120.05	3	3	1.0935	0.03691	1.0935	0.03691	0.02131	3.38%	0.03448	0.01862	0.03919	3.15%	1.70%	3.58%	2.1042	0.02300	3.95%
121.00	18	17	1.2925	0.03028	1.2879	0.03227	0.00538	2.51%	0.02849	0.01448	0.03196	2.20%	1.12%	2.47%	2.2067	0.01833	3.85%
121.01	1		1.3785														
121.02	1		1.2720														
121.05	3	3	1.3275	0.03473	1.3275	0.03473	0.02005	2.62%	0.02413	0.03533	0.04278	1.82%	2.66%	3.22%	1.2110	0.04567	3.83%
122.00	18	17	1.8130	0.03758	1.8155	0.03923	0.00654	2.16%	0.03475	0.02023	0.04021	1.92%	1.12%	2.22%	1.9878	0.02603	3.66%

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122.01	1		1.7370														
122.02	1		1.8180														
122.05	3	3	1.8073	0.06478	1.8073	0.06478	0.03740	3.58%	0.06276	0.02270	0.06674	3.47%	1.26%	3.69%	2.9399	0.02600	3.66%
124.00	18	17	0.30952	0.01601	0.30740	0.01728	0.00288	5.62%	0.01521	0.00706	0.01677	4.91%	2.28%	5.42%	2.3755	0.00960	4.78%
124.01	2	0															
124.02	1		0.32800														
124.05	1		0.33000														
125.00	18	18	3.5998	0.10016	3.5940	0.10180	0.01697	2.83%	0.09729	0.03369	0.10296	2.70%	0.94%	2.86%	3.0560	0.03786	3.30%
125.01	1		3.5450														
125.02	1		3.5235														
125.05	3	3	3.4788	0.15603	3.4788	0.15603	0.09008	4.49%	0.15198	0.04995	0.15997	4.37%	1.44%	4.60%	3.2028	0.06900	3.32%
126.00	18	18	1.1969	0.02785	1.1950	0.02712	0.00452	2.27%	0.02647	0.01224	0.02917	2.21%	1.02%	2.44%	2.3824	0.01227	3.89%
126.01	1		1.1630														
126.02	1		1.1980														
126.05	3	3	1.2348	0.05689	1.2348	0.05689	0.03285	4.61%	0.04995	0.03852	0.06307	4.04%	3.12%	5.11%	1.6376	0.05033	3.87%
127.00	18	16	0.50434	0.02105	0.50437	0.01830	0.00314	3.63%	0.02019	0.00846	0.02189	4.00%	1.68%	4.34%	2.5875	0.01003	4.43%
127.01	1		0.43250														
127.02	1		0.50350														
127.05	3	3	0.51467	0.00551	0.51467	0.00551	0.00318	1.07%		0.01651			3.21%			0.01533	4.42%
128.00	18	17	0.76002	0.03116	0.76119	0.03083	0.00529	4.05%	0.03042	0.00954	0.03188	4.00%	1.25%	4.19%	3.3427	0.01118	4.17%
128.01	1		0.80200														
128.02	1		0.78250														
128.05	3	2	0.79800	0.00778	0.79800	0.00778	0.00550	0.97%	0.00737	0.00354	0.00817	0.92%	0.44%	1.02%	2.3108	0.03000	4.14%
129.00	18	18	1.6412	0.03356	1.6484	0.02402	0.00400	1.46%	0.03253	0.01164	0.03455	1.98%	0.71%	2.11%	2.9684	0.01262	3.71%
129.01	1		1.6315														
129.02	1		1.6770														
129.05	3	3	1.6380	0.03062	1.6380	0.03062	0.01768	1.87%	0.01538	0.03745	0.04048	0.94%	2.29%	2.47%	1.0811	0.03733	3.71%
130.00	19	18	1.0318	0.04106	1.0237	0.03836	0.00622	3.75%	0.03921	0.01723	0.04283	3.80%	1.67%	4.15%	2.4859	0.02018	3.99%
130.01	2	0															
130.02	1		1.0395														
130.05	6	6	1.0598	0.03673	1.0529	0.02303	0.00665	2.19%	0.02289	0.04063	0.04663	2.16%	3.83%	4.40%	1.1478	0.04283	3.97%
130.99	2	0															
131.00	19	16	0.36085	0.01759	0.36495	0.01742	0.00290	4.77%	0.01689	0.00697	0.01827	4.68%	1.93%	5.06%	2.6206	0.00856	4.65%
131.01	2	0															
131.02	1		0.35650														
131.05	4	3	0.36100	0.01852	0.36100	0.01852	0.01069	5.13%	0.01844	0.00245	0.01860	5.11%	0.68%	5.15%	7.5939	0.00925	4.66%
131.99	1		0.32850														
132.00	18	17	0.91714	0.02754	0.91869	0.02441	0.00419	2.66%	0.02675	0.00926	0.02831	2.92%	1.01%	3.09%	3.0563	0.01082	4.05%
132.01	1		0.91400														
132.02	1		0.93950														
132.05	3	3	0.93483	0.00501	0.93483	0.00501	0.00289	0.54%		0.02478			2.65%			0.02367	4.04%
133.00	18	18	1.3153	0.08426	1.3236	0.05430	0.00905	4.10%	0.08244	0.02466	0.08604	6.27%	1.87%	6.54%	3.4893	0.02870	3.83%
133.05	3	3	1.3960	0.03601	1.3960	0.03601	0.02079	2.58%	0.03078	0.02643	0.04057	2.21%	1.89%	2.91%	1.5352	0.03133	3.80%

Method Code	Total # Labs Submitting	# Labs in Method Precision Calcs	Mean	SD	Assigned Value - Robust Mean	AAFCO CS ffp - Robust sd	Uncertainty (U) - Robust	% RSD - Robust	Between Labs sL	Within Labs sr	Reproducibility sR	Between Labs %RSD	Within Labs %rsd	Reproducibility %RSD	sR/sr	Average Range (R-bar)	Horwitz %RSD
134.00	18	16	0.93923	0.02383	0.93888	0.01700	0.00292	1.81%	0.02246	0.01127	0.02513	2.39%	1.20%	2.68%	2.2292	0.01362	4.04%
134.01	1		0.99150														
134.02	1		0.87300														
134.05	3	3	0.92667	0.05705	0.92667	0.05705	0.03294	6.16%	0.05426	0.02490	0.05970	5.86%	2.69%	6.44%	2.3977	0.03067	4.05%
135.00	18	17	0.72404	0.01807	0.72394	0.01398	0.00233	1.93%	0.01631	0.01102	0.01968	2.25%	1.52%	2.72%	1.7856	0.01193	4.20%
135.01	1		0.77150														
135.02	1		0.72550														
135.05	3	3	0.73583	0.03035	0.73583	0.03035	0.01752	4.12%	0.02941	0.01062	0.03126	4.00%	1.44%	4.25%	2.9433	0.01433	4.19%
136.00	4	3	0.24765	0.04152	0.24765	0.04152	0.02397	16.76%	0.04140	0.00431	0.04163	16.72%	1.74%	16.81%	9.6656	0.01670	4.93%
136.01	5	5	0.23000	0.01019	0.23000	0.01019	0.00456	4.43%	0.01014	0.00148	0.01025	4.41%	0.64%	4.45%	6.9077	0.00160	4.99%
136.02	1		0.23050														
136.03	4	4	0.22388	0.01394	0.22388	0.01394	0.00697	6.23%	0.01383	0.00247	0.01405	6.18%	1.11%	6.28%	5.6779	0.00325	5.01%
136.99	1		0.23500														
137.00	12	10	0.61501	0.04876	0.61511	0.04099	0.00874	6.66%	0.04851	0.00692	0.04900	7.89%	1.13%	7.97%	7.0812	0.00746	4.30%
137.01	1		0.63850														
137.02	1		0.62450														
137.05	3	3	0.63250	0.03437	0.63250	0.03437	0.01984	5.43%	0.02897	0.02616	0.03903	4.58%	4.14%	6.17%	1.4922	0.02967	4.29%
138.00	18	17	0.92539	0.04308	0.92649	0.03702	0.00635	4.00%	0.04231	0.01145	0.04383	4.57%	1.24%	4.74%	3.8277	0.01347	4.05%
138.01	1		1.0355														
138.02	1		0.94650														
138.05	3	2	1.0228	0.02227	1.0228	0.02227	0.01575	2.18%	0.02205	0.00450	0.02250	2.16%	0.44%	2.20%	5.0000	0.03300	3.99%
139.00	2	0															
139.02	1		0.00000														
150.00	1		328.50														
160.99	5	2	0.16450	0.00636	0.16450	0.00636	0.00450	3.87%	0.00620	0.00200	0.00652	3.77%	1.22%	3.96%	3.2596	0.01467	5.25%
161.99	2																
162.99	6	3	0.46850	0.51035	0.48388	0.41783	0.14773	86.35%	0.51034	0.00426	0.51036	108.93%	0.91%	108.93%	119.74	0.03325	4.46%
163.99	4																
164.99	4	4	0.38700	0.32395	0.38700	0.32395	0.16198	83.71%	0.32380	0.01434	0.32411	83.67%	3.70%	83.75%	22.609	0.01450	4.61%
165.99	6	5	2.4505	0.35817	2.4505	0.35817	0.11326	14.62%	0.35765	0.02751	0.35870	14.59%	1.12%	14.64%	13.038	0.03060	3.49%
166.99	1		0.38750														
167.99	1		0.95350														
400.01	3	3	0.58285	0.01274	0.58285	0.01274	0.00736	2.19%	0.01239	0.00421	0.01308	2.13%	0.72%	2.24%	3.1090	0.00450	
400.99	1		0.57450														
516.00	1		0.36500														
516.42	1		0.00000														
516.43	1		0.37125														
516.52	1		0.39000														
516.53	6	6	0.39713	0.05019	0.39713	0.05692	0.01643	14.33%	0.04687	0.02540	0.05331	11.80%	6.40%	13.42%	2.0985	0.03362	18.38%
518.41	3	2	0.09138	0.00937	0.09138	0.00937	0.00663	10.25%	0.00937	0.00025	0.00937	10.25%	0.27%	10.26%	37.483	0.00350	22.00%
518.43	3	0														0.03140	
518.52	1		0.00000														
518.53	6	6	0.07594	0.00586	0.07594	0.00664	0.00192	8.75%	0.00471	0.00492	0.00681	6.21%	6.48%	8.97%	1.3850	0.00498	22.00%

Method Code	Total # Labs Submitting	# Labs in Method Precision Calcs	Mean	SD	Assigned Value - Robust Mean	AAFCCO CS ffp - Robust sd	Uncertainty (U) - Robust	% RSD - Robust	Between Labs sL	Within Labs sr	Reproducibility sR	Between Labs %RSD	Within Labs %rsd	Reproducibility %RSD	sR/sr	Average Range (R-bar)	Horwitz %RSD
520.41	2	0															
520.43	3	3	5.6748	0.19114	5.6748	0.19114	0.11036	3.37%		0.29883			5.27%			0.34383	12.32%
520.52	1		3.3000														
520.53	3	3	3.7046	0.90168	3.7046	0.90168	0.52058	24.34%	0.87103	0.32962	0.93131	23.51%	8.90%	25.14%	2.8254	0.37763	13.14%
520.99	1		4.6395														
526.41	1		0.11500														
526.43	3	0														0.09980	
526.52	1		0.00000														
526.53	6	6	0.16339	0.01999	0.16185	0.01942	0.00561	12.00%	0.01765	0.01327	0.02208	10.80%	8.12%	13.51%	1.6639	0.01288	21.04%
529.00	1		0.00000														
529.99	2																
539.41	2	0															
539.43	1		3.7124														
539.52	1		3.4000														
539.53	3	2	2.8750	0.10610	2.8750	0.10610	0.07503	3.69%	0.08575	0.08837	0.12314	2.98%	3.07%	4.28%	1.3933	0.56503	13.65%
600.01	2	0															
600.11	1		2.0000														
600.20	1		0.00000														
610.01	1		1,600.0														
710.99	2	0															
714.99	1		0.56500														
716.99	1		16.240														
718.99	2	0															
720.99	1		0.24500														
722.99	1		5.5750														
724.99	1		26.850														
726.99	2	0															
728.99	1		0.13500														
732.99	1		0.65000														
736.99	1		0.00750														
738.99	1		0.00000														
740.99	2																
744.99	1		0.00000														
746.99	1		0.00200														
748.99	1		0.00000														
750.99	2																
752.99	1		0.00000														
754.99	1		0.15000														
756.99	1		1.8400														
758.99	1		23.250														
762.99	1		28.530														
766.99	1		44.725														
772.99	1		3.8900														