

AAFCO Check Sample Program

All Methods Report

Sort by Method

Proficiency For Individual Methods

Sample # 201328

Swine grower/finisher, Medicated



AAFCO

Check Sample Program

Issue Date : 09/30/2013

Method Code	Total # Labs Submitting	# Labs Included in Calculations	Mean	SD	Assigned Value - Robust Mean	AAFCO CS fip - Robust sd	Uncertainty (U) - Robust	% RSD - Robust	Between Labs sL	Within Labs sI	Reproducibility sR	Between Labs %RSD	Within Labs %s/d	Reproducibility %RSD	sR/sr	Average Range (R-bar)	Horwitz %RSD
001.00	9	5	9.6670	0.48139	9.6670	0.48139	0.15223	4.98%	0.47271	0.12865	0.48991	4.89%	1.33%	5.07%	3.8081	0.13000	2.84%
001.03	18	15	9.8365	0.10372	9.8298	0.12473	0.02139	1.27%	0.10328	0.01352	0.10416	1.05%	0.14%	1.06%	7.7044	0.01898	2.84%
001.05	1		9.9700														
001.07	36	33	9.8423	0.30650	9.8482	0.32377	0.03870	3.29%	0.29786	0.10220	0.31491	3.03%	1.04%	3.20%	3.0812	0.12407	2.83%
001.08	3	3	9.9967	0.14189	9.9967	0.14189	0.05793	1.42%	0.09292	0.15166	0.17786	0.93%	1.52%	1.78%	1.1728	0.19333	2.83%
001.99	21	18	9.9784	0.65232	9.9772	0.62774	0.10183	6.29%	0.65039	0.07091	0.65425	6.52%	0.71%	6.56%	9.2262	0.09584	2.83%
002.00	4	4	18.636	0.76867	18.636	0.76867	0.27177	4.12%	0.69945	0.45085	0.83216	3.75%	2.42%	4.47%	1.8458	0.45750	2.58%
002.01	13	12	17.980	0.19825	17.972	0.21117	0.04311	1.18%	0.19472	0.05268	0.20172	1.08%	0.29%	1.12%	3.8292	0.05533	2.59%
002.02	5	5	18.009	0.56930	18.009	0.56930	0.18003	3.16%	0.56825	0.04889	0.57035	3.16%	0.27%	3.17%	11.666	0.06308	2.59%
002.03	1		16.190														
002.04	5	4	17.656	0.44331	17.787	0.48257	0.15260	2.71%	0.44288	0.02761	0.44374	2.51%	0.16%	2.51%	16.070	0.07000	2.59%
002.05	45	42	18.006	0.22879	18.016	0.21782	0.02322	1.21%	0.22701	0.04027	0.23056	1.26%	0.22%	1.28%	5.7256	0.04645	2.59%
002.06	207	127	18.266	0.33868	18.272	0.28653	0.01757	1.57%	0.33308	0.08672	0.34419	1.82%	0.47%	1.88%	3.9691	0.11017	2.58%
002.07	1		17.485														
002.08	3	3	18.090	0.14688	18.090	0.14688	0.05996	0.81%	0.12608	0.10656	0.16508	0.70%	0.59%	0.91%	1.5491	0.13677	2.59%
002.10	3	3	17.827	0.69017	17.827	0.69017	0.28176	3.87%	0.68791	0.07900	0.69243	3.86%	0.44%	3.88%	8.7646	0.09433	2.59%
002.11	5	5	18.056	0.20247	18.056	0.20247	0.06403	1.12%	0.17872	0.13454	0.22370	0.99%	0.75%	1.24%	1.6628	0.13200	2.59%
002.99	5	5	17.553	0.37803	17.553	0.37803	0.11954	2.15%	0.31310	0.29958	0.43334	1.78%	1.71%	2.47%	1.4465	0.31800	2.60%
003.00	17	14	4.8688	0.57394	4.6896	0.31782	0.05618	6.78%	0.57025	0.09181	0.57760	11.71%	1.89%	11.86%	6.2911	0.12281	3.17%
003.01	2	0															
003.06	15	13	4.4788	0.25518	4.4939	0.03586	0.00655	0.80%	0.25199	0.05682	0.25832	5.63%	1.27%	5.77%	4.5461	0.09114	3.19%
003.07	1		2.3800														
003.09	24	21	4.5247	0.16979	4.5360	0.15948	0.02351	3.52%	0.16304	0.06702	0.17628	3.60%	1.48%	3.90%	2.6302	0.08303	3.19%
003.10	40	35	4.4317	0.33804	4.4875	0.20061	0.02364	4.47%	0.33375	0.07596	0.34229	7.53%	1.71%	7.72%	4.5059	0.07932	3.19%
003.11	4	4	4.6525	0.18012	4.6525	0.18012	0.06368	3.87%	0.17925	0.02500	0.18098	3.85%	0.54%	3.89%	7.2392	0.03500	3.17%
003.12	15	15	4.4764	0.31199	4.4753	0.26636	0.04863	5.95%	0.31042	0.04408	0.31354	6.93%	0.98%	7.00%	7.1128	0.04487	3.19%
003.13	7	6	4.5057	0.20001	4.4692	0.20443	0.05464	4.57%	0.18541	0.10607	0.21361	4.12%	2.35%	4.74%	2.0138	0.14914	3.19%

Method Code	Total # Labs Submitting	# Labs Included in Calculations	Mean	SD	Assigned Value - Robust Mean	AAFCO CS ftp - 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
003.14	30	26	4.2308	0.47849	4.2971	0.32852	0.04390	7.65%	0.47390	0.09347	0.48303	11.20%	2.21%	11.42%	5.1676	0.10599	3.21%
003.99	11	6	4.7900	0.57513	4.7600	0.46482	0.12423	9.77%	0.57470	0.03136	0.57555	12.00%	0.65%	12.02%	18.354	0.05429	3.16%
004.00	21	19	4.7327	0.23092	4.7647	0.26859	0.04144	5.64%	0.21840	0.10607	0.24279	4.61%	2.24%	5.13%	2.2890	0.15910	3.16%
004.01	2	0															
004.03	4	4	4.7950	0.79024	4.7950	0.79024	0.27939	16.48%	0.72926	0.43049	0.84684	15.21%	8.98%	17.66%	1.9671	0.45500	3.16%
004.06	44	40	4.7826	0.37571	4.7890	0.36323	0.03963	7.58%	0.37153	0.07907	0.37985	7.77%	1.65%	7.94%	4.8040	0.08288	3.16%
004.07	51	46	4.4427	0.45207	4.4287	0.40557	0.04139	9.16%	0.44711	0.09443	0.45697	10.06%	2.13%	10.29%	4.8393	0.10893	3.20%
004.11	5	4	4.4000	0.44518	4.4840	0.42886	0.13562	9.56%	0.44300	0.06225	0.44735	10.07%	1.41%	10.17%	7.1864	0.15200	3.19%
004.99	1		3.8500														
005.00	176	100	4.6895	0.12539	4.6918	0.13660	0.00938	2.91%	0.12272	0.03641	0.12801	2.62%	0.78%	2.73%	3.5155	0.04581	3.17%
005.02	1		4.8650														
005.03	3	0			4.3950	0.43134	0.21567	9.81%								0.13000	3.20%
005.05	33	29	4.8179	0.11080	4.8238	0.10582	0.01323	2.19%	0.11020	0.01618	0.11138	2.29%	0.34%	2.31%	6.8825	0.02457	3.16%
005.11	3	3	5.7233	0.43607	5.7233	0.43607	0.17803	7.62%	0.42811	0.11733	0.44389	7.48%	2.05%	7.76%	3.7832	0.15333	3.08%
005.99	13	11	4.7565	0.17458	4.7500	0.17820	0.03637	3.75%	0.17205	0.04187	0.17707	3.62%	0.88%	3.72%	4.2292	0.06066	3.16%
006.00	2	0															
006.99	6	6	3.6750	1.3018	3.6750	1.4763	0.42616	40.17%	1.3016	0.03464	1.3021	35.42%	0.94%	35.43%	37.587	0.03333	3.29%
008.02	14	13	7.3619	0.76771	7.2518	0.95803	0.18105	13.21%	0.73142	0.32983	0.80235	9.94%	4.48%	10.90%	2.4326	0.29929	2.97%
008.05	2	0															
008.08	30	29	6.8061	0.70908	6.7479	0.79225	0.10228	11.74%	0.69226	0.21713	0.72551	10.17%	3.19%	10.66%	3.3414	0.20633	3.00%
008.99	2	0															
009.04	1		19.755														
009.07	7	7	20.714	2.0122	20.358	0.93806	0.25071	4.61%	1.9815	0.49527	2.0425	9.57%	2.39%	9.86%	4.1239	0.49857	2.54%
009.09	25	23	19.085	1.3446	19.007	1.4825	0.21398	7.80%	1.3233	0.33683	1.3655	6.93%	1.76%	7.15%	4.0540	0.42917	2.57%
009.99	4	4	21.755	5.6468	21.755	5.6468	1.9965	25.96%	5.6445	0.23043	5.6492	25.95%	1.06%	25.97%	24.515	0.26000	2.52%
010.03	5	5	8.6856	1.3791	8.6856	1.3791	0.43610	15.88%	1.3768	0.11107	1.3813	15.85%	1.28%	15.90%	12.437	0.14348	2.89%
010.11	5	4	10.195	0.21303	10.273	0.25388	0.08029	2.47%	0.20784	0.06614	0.21811	2.04%	0.65%	2.14%	3.2975	0.14600	2.82%
010.99	11	11	9.9556	0.53227	9.9593	0.54605	0.11642	5.48%	0.53173	0.03407	0.53282	5.34%	0.34%	5.35%	15.638	0.03424	2.83%
011.01	146	67	10.827	0.31180	10.824	0.34797	0.02860	3.21%	0.30845	0.06448	0.31512	2.85%	0.60%	2.91%	4.8874	0.09385	2.79%
011.02	4	3	10.637	0.47057	10.637	0.47057	0.19211	4.42%	0.46220	0.12490	0.47878	4.35%	1.17%	4.50%	3.8333	0.12000	2.80%
011.03	2	0															
011.99	2	0															
012.00	13	12	36.564	0.58184	36.650	0.40118	0.07868	1.09%	0.56946	0.16888	0.59397	1.56%	0.46%	1.62%	3.5171	0.18769	2.33%
012.01	4	4	32.129	1.3946	32.129	1.3946	0.49305	4.34%	1.3378	0.55710	1.4491	4.16%	1.73%	4.51%	2.6012	0.66750	2.37%
012.03	3	3	33.705	0.77976	33.705	0.77976	0.31834	2.31%	0.71385	0.44372	0.84052	2.12%	1.32%	2.49%	1.8943	0.60333	2.36%
012.04	6	5	33.014	1.9777	33.014	1.9777	0.62540	5.99%	1.9730	0.19251	1.9824	5.98%	0.58%	6.00%	10.297	0.18800	2.36%
012.11	4	4	35.178	1.9953	35.178	1.9953	0.70543	5.67%	1.9948	0.06021	1.9957	5.67%	0.17%	5.67%	33.147	0.08000	2.34%
013.00	13	11	5.2950	0.30808	5.2488	0.36702	0.07492	6.99%	0.30379	0.07252	0.31232	5.74%	1.37%	5.90%	4.3067	0.09750	3.12%

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013.02	94	29	5.3476	0.35132	5.3469	0.35942	0.04640	6.72%	0.34447	0.09762	0.35803	6.44%	1.83%	6.70%	3.6677	0.10207	3.11%
013.08	1		1.0100														
013.10	9	9	5.0522	0.41255	5.0620	0.40119	0.09456	7.93%	0.40173	0.13279	0.42310	7.95%	2.63%	8.37%	3.1863	0.15556	3.13%
013.12	2	0															
013.13	2	0															
014.99	1		22.200														
015.41	5	5	60.080	6.6275	60.080	6.6275	2.0958	11.03%	6.4483	2.1649	6.8020	10.73%	3.60%	11.32%	3.1419	2.8237	8.64%
015.42	1		59.400														
015.43	4	4	62.414	10.935	62.414	10.935	3.8661	17.52%	10.875	1.6218	10.995	17.42%	2.60%	17.62%	6.7797	1.8425	8.59%
015.52	2	0															
015.53	2	0															
017.41	2	0															
017.42	3	3	6.2633	0.64079	6.2633	0.64079	0.26160	10.23%	0.52719	0.51514	0.73708	8.42%	8.22%	11.77%	1.4308	0.53333	12.14%
017.43	4	4	7.4738	1.0124	7.4738	1.0124	0.35793	13.55%	1.0120	0.03953	1.0128	13.54%	0.53%	13.55%	25.621	0.03750	11.82%
017.53	1		6.5000														
019.00	27	24	0.76133	0.03749	0.76679	0.04203	0.00583	5.48%	0.03704	0.00817	0.03793	4.87%	1.07%	4.98%	4.6416	0.01156	4.16%
019.02	1		0.56500														
019.03	1		0.79585														
019.08	8	8	0.76007	0.02381	0.76342	0.02070	0.00517	2.71%	0.01975	0.01881	0.02728	2.60%	2.47%	3.59%	1.4501	0.01931	4.17%
019.31	30	26	0.73657	0.03707	0.73852	0.03532	0.00464	4.78%	0.03592	0.01297	0.03819	4.88%	1.76%	5.18%	2.9451	0.01780	4.19%
019.32	8	6	0.73863	0.02254	0.73213	0.03042	0.00813	4.15%	0.02198	0.00702	0.02308	2.98%	0.95%	3.12%	3.2874	0.00626	4.19%
019.33	1		0.73390														
019.41	40	38	0.75053	0.03966	0.75037	0.04282	0.00479	5.71%	0.03717	0.01956	0.04200	4.95%	2.61%	5.60%	2.1470	0.02326	4.18%
019.42	19	17	0.75543	0.03896	0.74928	0.03041	0.00493	4.06%	0.03682	0.01800	0.04099	4.87%	2.38%	5.43%	2.2771	0.02226	4.18%
019.43	20	19	0.75768	0.02497	0.75336	0.02439	0.00386	3.24%	0.02192	0.01693	0.02769	2.89%	2.23%	3.65%	1.6359	0.01930	4.17%
019.44	2	0															
019.52	2	0															
019.53	3	3	0.73383	0.02053	0.73383	0.02053	0.00838	2.80%	0.01555	0.01896	0.02452	2.12%	2.58%	3.34%	1.2933	0.02347	4.19%
019.99	3	3	0.73967	0.06050	0.73967	0.06050	0.02470	8.18%	0.05994	0.01166	0.06106	8.10%	1.58%	8.26%	5.2359	0.01467	4.19%
021.31	3	3	0.60000	0.61025	0.60000	0.61025	0.24913	101.71%	0.60989	0.02944	0.61060	101.65%	4.91%	101.77%	20.741	0.03333	17.28%
021.41	4	4	0.45005	0.10768	0.45005	0.10768	0.03807	23.93%	0.09872	0.06080	0.11594	21.94%	13.51%	25.76%	1.9070	0.06390	18.04%
021.42	1		0.07900														
021.43	6	5	0.55600	0.12157	0.57525	0.13440	0.03880	23.36%	0.11900	0.03521	0.12410	21.40%	6.33%	22.32%	3.5241	0.06717	17.38%
021.52	2	0															
021.53	2	0															
022.31	16	13	113.60	6.0714	113.23	4.6151	0.84260	4.08%	5.9422	1.7618	6.1979	5.23%	1.55%	5.46%	3.5178	2.5572	7.85%
022.32	4	4	117.85	9.3858	117.85	9.3858	3.3184	7.96%	9.1209	3.1315	9.6435	7.74%	2.66%	8.18%	3.0795	4.3800	7.80%
022.33	2	0															

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022.41	29	26	115.39	6.8074	115.55	7.3721	0.98514	6.38%	6.2283	3.8854	7.3409	5.40%	3.37%	6.36%	1.8894	4.6401	7.83%
022.42	17	16	117.70	7.6829	117.06	8.9021	1.5267	7.60%	7.4278	2.7769	7.9299	6.31%	2.36%	6.74%	2.8557	3.1971	7.81%
022.43	18	16	112.12	10.358	113.93	8.8014	1.5094	7.73%	10.232	2.2705	10.481	9.13%	2.03%	9.35%	4.6163	2.8741	7.84%
022.44	1		117.00														
022.52	2	0															
022.53	3	3	117.00	2.6458	117.00	2.6458	1.0801	2.26%	2.3094	1.8257	2.9439	1.97%	1.56%	2.52%	1.6125	2.0000	7.81%
025.31	15	13	297.66	15.105	295.32	18.133	3.4267	6.14%	14.731	4.7229	15.470	4.95%	1.59%	5.20%	3.2754	5.6634	6.80%
025.32	5	5	306.86	16.268	306.86	16.268	5.1445	5.30%	14.087	11.507	18.189	4.59%	3.75%	5.93%	1.5808	15.274	6.76%
025.33	2	0															
025.41	29	26	296.92	14.563	296.45	15.797	2.1110	5.33%	13.643	7.2058	15.429	4.59%	2.43%	5.20%	2.1412	8.2027	6.79%
025.42	15	14	287.09	34.362	288.58	20.684	3.7764	7.17%	33.949	7.5128	34.770	11.83%	2.62%	12.11%	4.6281	8.0367	6.82%
025.43	16	15	288.38	24.501	288.00	25.778	4.7064	8.95%	24.030	6.7614	24.963	8.33%	2.34%	8.66%	3.6921	7.4427	6.82%
025.52	1		278.96														
025.53	2	0															
027.06	1		0.17000														
027.31	13	13	0.21442	0.01341	0.21477	0.01442	0.00283	6.71%	0.01300	0.00464	0.01380	6.06%	2.16%	6.44%	2.9775	0.00468	5.04%
027.32	5	5	0.22250	0.00886	0.22250	0.00886	0.00280	3.98%	0.00826	0.00452	0.00942	3.71%	2.03%	4.23%	2.0840	0.00464	5.01%
027.33	2	0															
027.41	26	24	0.22985	0.00930	0.22855	0.00735	0.00102	3.21%	0.00891	0.00374	0.00967	3.88%	1.63%	4.21%	2.5849	0.00406	4.99%
027.42	14	12	0.22695	0.00936	0.22646	0.01169	0.00221	5.16%	0.00885	0.00431	0.00985	3.90%	1.90%	4.34%	2.2841	0.00609	5.00%
027.43	15	14	0.22371	0.01255	0.22205	0.01554	0.00284	7.00%	0.01219	0.00424	0.01290	5.45%	1.90%	5.77%	3.0416	0.00373	5.02%
027.44	1		0.21750														
027.52	1		0.22250														
027.53	2	0															
028.31	14	13	98.796	7.0120	99.821	6.7037	1.2669	6.72%	6.8819	1.9014	7.1397	6.97%	1.92%	7.23%	3.7550	2.3073	8.00%
028.32	5	5	106.32	10.329	106.32	10.329	3.2663	9.71%	9.8685	4.3133	10.770	9.28%	4.06%	10.13%	2.4969	5.2660	7.93%
028.33	2	0															
028.41	29	27	102.37	4.7869	102.48	4.1081	0.53942	4.01%	4.4595	2.4603	5.0932	4.36%	2.40%	4.98%	2.0701	3.0966	7.97%
028.42	17	15	106.29	5.1074	105.67	4.8672	0.86042	4.61%	4.9578	1.7352	5.2527	4.66%	1.63%	4.94%	3.0272	2.1813	7.93%
028.43	16	15	98.980	8.1874	99.981	10.054	1.7773	10.06%	7.9967	2.4846	8.3738	8.08%	2.51%	8.46%	3.3703	3.4275	8.00%
028.44	2	0															
028.52	1		100.65														
028.53	3	3	101.85	4.5269	101.85	4.5269	1.8481	4.44%	4.2983	2.0087	4.7445	4.22%	1.97%	4.66%	2.3619	2.3000	7.98%
031.00	3	3	0.59590	0.03816	0.59590	0.03816	0.01558	6.40%	0.03802	0.00456	0.03829	6.38%	0.77%	6.43%	8.3896	0.00500	4.32%
031.01	61	53	0.59981	0.01700	0.60035	0.01996	0.00185	3.32%	0.01638	0.00643	0.01759	2.73%	1.07%	2.93%	2.7348	0.00791	4.32%
031.02	3	2	0.60000	0.00000	0.59918	0.00141	0.00058	0.24%	0.00000	0.00000	0.00000	0.00%	0.00%	0.00%		0.00077	4.32%
031.03	3	2	0.58130	0.04426	0.58653	0.03259	0.01330	5.56%	0.04426	0.00100	0.04427	7.61%	0.17%	7.62%	44.271	0.00733	4.33%
031.06	3	3	0.53700	0.07949	0.53700	0.07949	0.03245	14.80%	0.07941	0.00500	0.07957	14.79%	0.93%	14.82%	15.913	0.00667	4.39%

Method Code	Total # Labs Submitting	# Labs Included in Calculations	Mean	SD	Assigned Value - Robust Mean	AAFCO CS ftp - 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
031.41	37	35	0.60931	0.02874	0.60945	0.02659	0.00313	4.36%	0.02763	0.01120	0.02981	4.53%	1.84%	4.89%	2.6623	0.01416	4.31%
031.42	20	18	0.58826	0.02097	0.58820	0.02491	0.00394	4.23%	0.01965	0.01035	0.02221	3.34%	1.76%	3.78%	2.1449	0.01533	4.33%
031.43	19	18	0.59414	0.03475	0.59400	0.02873	0.00479	4.84%	0.03411	0.00942	0.03538	5.74%	1.59%	5.96%	3.7559	0.00994	4.33%
031.44	2	0															
031.52	1		0.54050														
031.53	3	3	0.61233	0.00643	0.61233	0.00643	0.00262	1.05%		0.01118			1.83%			0.01407	4.31%
031.99	3	3	0.59500	0.03606	0.59500	0.03606	0.01472	6.06%	0.03571	0.00707	0.03640	6.00%	1.19%	6.12%	5.1478	0.01000	4.32%
032.02	5	5	0.66400	0.02460	0.66400	0.02460	0.00778	3.70%	0.02141	0.01711	0.02741	3.23%	2.58%	4.13%	1.6020	0.02000	4.25%
032.31	17	15	0.68307	0.05029	0.68260	0.03330	0.00589	4.88%	0.04978	0.01014	0.05080	7.29%	1.48%	7.44%	5.0097	0.01163	4.24%
032.32	2	0															
032.41	26	24	0.69095	0.02507	0.68778	0.02244	0.00317	3.26%	0.02200	0.01701	0.02781	3.18%	2.46%	4.02%	1.6349	0.01843	4.23%
032.42	16	14	0.67815	0.02697	0.67791	0.03453	0.00610	5.09%	0.02480	0.01498	0.02898	3.66%	2.21%	4.27%	1.9341	0.01796	4.24%
032.43	15	14	0.66168	0.04598	0.66718	0.04221	0.00771	6.33%	0.04547	0.00961	0.04648	6.87%	1.45%	7.02%	4.8351	0.01360	4.25%
032.44	1		0.68050														
032.52	1		0.67685														
032.53	2	0															
032.99	1		0.53900														
033.00	34	32	0.71496	0.05566	0.71466	0.05540	0.00682	7.75%	0.05499	0.01215	0.05632	7.69%	1.70%	7.88%	4.6348	0.01337	4.21%
033.01	36	35	0.77650	0.02850	0.77241	0.01352	0.00159	1.75%	0.02764	0.00980	0.02933	3.56%	1.26%	3.78%	2.9913	0.01049	4.16%
033.03	6	5	0.62600	0.07083	0.60141	0.09913	0.02862	16.48%	0.06817	0.02720	0.07340	10.89%	4.35%	11.73%	2.6982	0.03000	4.32%
033.05	6	5	0.75197	0.00449	0.74998	0.00014	0.00004	0.02%		0.00936			1.24%			0.01145	4.18%
033.99	11	10	0.60486	0.14695	0.62364	0.08996	0.01918	14.43%	0.14595	0.02424	0.14795	24.13%	4.01%	24.46%	6.1040	0.03067	4.29%
034.01	2	0															
034.04	5	4	0.79125	0.07782	0.78600	0.06841	0.02163	8.70%	0.07738	0.01173	0.07826	9.78%	1.48%	9.89%	6.6742	0.03200	16.59%
034.41	1		0.99350														
034.42	2	0															
034.43	3	3	0.86000	0.74907	0.86000	0.74907	0.30580	87.10%	0.74902	0.01155	0.74911	87.10%	1.34%	87.11%	64.875	0.01333	16.36%
034.52	2	0															
034.53	3	2	0.80950	0.02899	0.84433	0.06372	0.02601	7.55%	0.02898	0.00100	0.02900	3.58%	0.12%	3.58%	29.000	0.00800	16.41%
035.01	4	4	0.24100	0.02502	0.24100	0.02502	0.00885	10.38%	0.02459	0.00654	0.02545	10.20%	2.71%	10.56%	3.8919	0.00750	4.95%
035.05	9	9	0.24878	0.00638	0.24898	0.00525	0.00124	2.11%	0.00593	0.00333	0.00680	2.38%	1.34%	2.73%	2.0441	0.00332	4.93%
035.31	20	18	0.24219	0.02493	0.24486	0.02200	0.00348	8.98%	0.02452	0.00641	0.02534	10.12%	2.65%	10.46%	3.9537	0.00717	4.94%
035.32	5	4	0.23388	0.03472	0.24210	0.03525	0.01115	14.56%	0.03462	0.00386	0.03483	14.80%	1.65%	14.89%	9.0233	0.00848	4.95%
035.41	36	34	0.24176	0.01276	0.24300	0.00880	0.00105	3.62%	0.01186	0.00667	0.01360	4.90%	2.76%	5.63%	2.0403	0.00768	4.95%
035.42	17	15	0.24095	0.01896	0.24096	0.01470	0.00260	6.10%	0.01880	0.00340	0.01911	7.80%	1.41%	7.93%	5.6277	0.00354	4.96%
035.43	14	13	0.23885	0.01544	0.23756	0.01366	0.00258	5.75%	0.01521	0.00369	0.01565	6.37%	1.54%	6.55%	4.2426	0.00271	4.97%
035.52	1		0.23335														
035.53	3	2	0.23575	0.00813	0.23442	0.00620	0.00253	2.64%	0.00812	0.00050	0.00814	3.45%	0.21%	3.45%	16.279	0.00343	4.98%

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036.04	3	2	0.26500	0.03536	0.27167	0.02754	0.01124	10.14%	0.03536	0.00000	0.03536	13.34%	0.00%	13.34%		0.00333	4.87%
036.42	17	16	0.26216	0.01555	0.26157	0.01639	0.00281	6.26%	0.01509	0.00527	0.01599	5.76%	2.01%	6.10%	3.0333	0.00568	4.89%
036.43	10	10	0.25485	0.02125	0.25680	0.01933	0.00432	7.53%	0.02105	0.00414	0.02145	8.26%	1.62%	8.42%	5.1807	0.00410	4.91%
036.53	1		0.25500														
037.31	21	18	241.43	12.510	242.00	7.0670	1.1174	2.92%	12.050	4.7514	12.953	4.99%	1.97%	5.37%	2.7262	5.7185	7.00%
037.32	6	6	253.63	20.120	248.85	12.064	3.4827	4.85%	18.384	11.561	21.717	7.25%	4.56%	8.56%	1.8785	11.385	6.97%
037.33	2	0															
037.41	31	28	248.16	12.810	250.16	12.920	1.6680	5.16%	12.172	5.6471	13.418	4.90%	2.28%	5.41%	2.3761	8.3633	6.97%
037.42	17	14	246.59	21.262	244.60	20.422	3.6101	8.35%	21.022	4.5064	21.499	8.53%	1.83%	8.72%	4.7709	4.1346	6.99%
037.43	21	20	242.59	21.521	244.60	12.606	1.9451	5.15%	21.108	5.9322	21.926	8.70%	2.45%	9.04%	3.6960	7.4286	6.99%
037.44	2	0															
037.52	2	0															
037.53	3	3	250.83	8.4311	250.83	8.4311	3.4420	3.36%	7.8528	4.3397	8.9722	3.13%	1.73%	3.58%	2.0674	5.0000	6.97%
038.41	2	0															
038.42	3	3	1.1180	0.14317	1.1180	0.14317	0.05845	12.81%	0.12359	0.10220	0.16037	11.05%	9.14%	14.34%	1.5693	0.13067	15.73%
038.43	7	7	1.1686	0.23613	1.1784	0.24682	0.06597	20.94%	0.22764	0.08872	0.24432	19.48%	7.59%	20.91%	2.7538	0.10571	15.61%
038.52	2	0															
038.53	2	0															
041.52	1		0.17000														
088.00	9	8	32.725	4.1158	33.718	5.2338	1.2336	15.52%	4.0515	1.0245	4.1790	12.38%	3.13%	12.77%	4.0790	1.1835	23.65%
088.01	2	0															
088.03	5	5	42.450	5.1714	42.450	5.1714	1.6354	12.18%	4.6009	3.3393	5.6850	10.84%	7.87%	13.39%	1.7024	4.1400	22.85%
100.00	1		0.26760														
101.01	1		489.50														
101.02	1		640.00														
104.00	2	0															
104.03	1		6.5500														
105.00	1		1.5450														
106.00	1		3.3500														
106.01	1		7.5350														
106.02	12	11	3.4774	1.4687	3.3595	1.3889	0.29611	41.34%	1.4561	0.27146	1.4812	41.87%	7.81%	42.59%	5.4564	0.33616	
107.00	2	0															
108.01	1		0.44500														
108.02	1		0.60500														
109.02	13	11	41.564	8.7758	43.303	10.216	2.0036	23.59%	7.9380	5.2920	9.5403	19.10%	12.73%	22.95%	1.8028	6.2559	9.07%
110.00	1		1.6488														
120.00	15	15	1.0318	0.03155	1.0360	0.02739	0.00500	2.64%	0.03061	0.01080	0.03246	2.97%	1.05%	3.15%	3.0054	0.01336	3.98%
120.01	2	0															

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120.02	3	3	1.0246	0.04060	1.0246	0.04060	0.01657	3.96%	0.03271	0.03402	0.04719	3.19%	3.32%	4.61%	1.3871	0.04690	3.99%
120.05	3	3	0.98367	0.04214	0.98367	0.04214	0.01721	4.28%	0.04084	0.01469	0.04340	4.15%	1.49%	4.41%	2.9556	0.01667	4.01%
121.00	15	14	1.1043	0.03109	1.1030	0.03428	0.00626	3.11%	0.02800	0.01912	0.03391	2.54%	1.73%	3.07%	1.7734	0.02474	3.94%
121.01	2	0															
121.02	3	3	1.0899	0.03362	1.0899	0.03362	0.01372	3.08%	0.03287	0.00997	0.03435	3.02%	0.91%	3.15%	3.4464	0.01327	3.95%
121.05	3	3	0.99850	0.03944	0.99850	0.03944	0.01610	3.95%	0.03199	0.03263	0.04570	3.20%	3.27%	4.58%	1.4004	0.03967	4.00%
122.00	15	15	1.4164	0.02894	1.4170	0.03127	0.00571	2.21%	0.02741	0.01315	0.03040	1.93%	0.93%	2.15%	2.3120	0.01547	3.80%
122.01	2	0															
122.02	3	3	1.3970	0.02989	1.3970	0.02989	0.01220	2.14%		0.04680			3.35%			0.05730	3.80%
122.05	3	3	1.3658	0.07797	1.3658	0.07797	0.03183	5.71%	0.07736	0.01384	0.07859	5.66%	1.01%	5.75%	5.6789	0.01567	3.82%
123.99	1		3.1350														
124.00	13	11	0.29408	0.01583	0.29337	0.01679	0.00343	5.72%	0.01568	0.00307	0.01598	5.33%	1.05%	5.43%	5.1988	0.00565	4.81%
124.01	2	0															
124.02	3	2	0.28593	0.03666	0.30062	0.03633	0.01483	12.08%	0.03666	0.00055	0.03667	12.82%	0.19%	12.82%	66.665	0.00703	4.79%
124.05	2	0															
125.00	14	13	3.0128	0.08672	3.0191	0.07245	0.01369	2.40%	0.08512	0.02344	0.08828	2.83%	0.78%	2.93%	3.7666	0.02944	3.39%
125.01	2	0															
125.02	3	3	2.9316	0.02999	2.9316	0.02999	0.01224	1.02%		0.10186			3.47%			0.13743	3.40%
125.05	3	3	2.9333	0.20076	2.9333	0.20076	0.08196	6.84%	0.20002	0.02440	0.20150	6.82%	0.83%	6.87%	8.2585	0.02733	3.40%
126.00	15	14	0.85305	0.01957	0.85585	0.01956	0.00357	2.29%	0.01831	0.00978	0.02076	2.15%	1.15%	2.43%	2.1234	0.01358	4.09%
126.01	2	0															
126.02	3	3	0.84422	0.05962	0.84422	0.05962	0.02434	7.06%	0.05752	0.02214	0.06164	6.81%	2.62%	7.30%	2.7837	0.02637	4.10%
126.05	3	3	0.85783	0.03679	0.85783	0.03679	0.01502	4.29%	0.03484	0.01670	0.03864	4.06%	1.95%	4.50%	2.3140	0.02167	4.09%
127.00	15	13	0.48656	0.01687	0.48512	0.01599	0.00302	3.30%	0.01666	0.00380	0.01709	3.42%	0.78%	3.51%	4.4923	0.00516	4.46%
127.01	1		0.48150														
127.02	3	3	0.49495	0.01987	0.49495	0.01987	0.00811	4.01%	0.01965	0.00415	0.02009	3.97%	0.84%	4.06%	4.8459	0.00457	4.45%
127.05	3	3	0.49250	0.02484	0.49250	0.02484	0.01014	5.04%	0.02348	0.01147	0.02613	4.77%	2.33%	5.31%	2.2790	0.01433	4.45%
128.00	15	13	0.64490	0.01759	0.64237	0.02198	0.00415	3.42%	0.01637	0.00914	0.01874	2.54%	1.42%	2.91%	2.0514	0.01005	4.28%
128.01	2	0															
128.02	3	3	0.65038	0.03253	0.65038	0.03253	0.01328	5.00%	0.03084	0.01465	0.03414	4.74%	2.25%	5.25%	2.3299	0.01657	4.27%
128.05	3	3	0.65600	0.08526	0.65600	0.08526	0.03481	13.00%	0.08195	0.03329	0.08845	12.49%	5.07%	13.48%	2.6568	0.03400	4.26%
129.00	14	13	1.5117	0.03171	1.5126	0.03312	0.00650	2.19%	0.03099	0.00955	0.03242	2.05%	0.63%	2.14%	3.3967	0.00938	3.76%
129.01	2	0															
129.02	3	3	1.5215	0.03723	1.5215	0.03723	0.01520	2.45%	0.03185	0.02726	0.04193	2.09%	1.79%	2.76%	1.5380	0.02587	3.75%
129.05	3	3	1.4812	0.07089	1.4812	0.07089	0.02894	4.79%	0.06992	0.01658	0.07185	4.72%	1.12%	4.85%	4.3343	0.02300	3.77%
130.00	16	15	0.92275	0.02938	0.92567	0.02785	0.00492	3.01%	0.02717	0.01579	0.03143	2.94%	1.71%	3.41%	1.9899	0.01801	4.05%
130.01	3	3	0.87717	0.03085	0.87717	0.03085	0.01259	3.52%		0.04416			5.03%			0.05033	4.08%
130.02	3	3	0.93433	0.10458	0.93433	0.10458	0.04269	11.19%	0.10354	0.02079	0.10560	11.08%	2.22%	11.30%	5.0808	0.01987	4.04%

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130.05	4	4	0.88725	0.04119	0.88725	0.04119	0.01456	4.64%	0.03850	0.02073	0.04372	4.34%	2.34%	4.93%	2.1091	0.02850	4.07%
130.99	2	0															
131.00	13	12	0.31625	0.02102	0.31400	0.02261	0.00443	7.20%	0.02040	0.00717	0.02162	6.45%	2.27%	6.84%	3.0163	0.00879	4.76%
131.01	2	0															
131.02	3	2	0.30420	0.02008	0.30447	0.01421	0.00580	4.67%	0.02005	0.00170	0.02012	6.59%	0.56%	6.61%	11.834	0.01113	4.78%
131.05	3	3	0.28300	0.10509	0.28300	0.10509	0.04290	37.13%	0.10459	0.01443	0.10558	36.96%	5.10%	37.31%	7.3149	0.01600	4.84%
132.00	15	13	0.80460	0.01785	0.80811	0.01036	0.00196	1.28%	0.01728	0.00634	0.01840	2.15%	0.79%	2.29%	2.9009	0.00772	4.13%
132.01	2	0															
132.02	3	3	0.80885	0.01523	0.80885	0.01523	0.00622	1.88%	0.00990	0.01637	0.01913	1.22%	2.02%	2.36%	1.1686	0.01610	4.13%
132.05	3	3	0.78883	0.03550	0.78883	0.03550	0.01449	4.50%	0.03517	0.00689	0.03584	4.46%	0.87%	4.54%	5.1999	0.00900	4.15%
133.00	15	14	1.1076	0.05758	1.1080	0.05431	0.01026	4.90%	0.05665	0.01462	0.05850	5.11%	1.32%	5.28%	4.0016	0.01587	3.94%
133.05	3	3	1.1188	0.05573	1.1188	0.05573	0.02275	4.98%	0.05149	0.03017	0.05968	4.60%	2.70%	5.33%	1.9780	0.04033	3.93%
133.99	2	0															
134.00	15	13	0.85525	0.02368	0.84261	0.01016	0.00185	1.21%	0.02297	0.00817	0.02438	2.69%	0.96%	2.85%	2.9832	0.01235	4.10%
134.01	2	0															
134.02	3	3	0.82535	0.06038	0.82535	0.06038	0.02465	7.32%	0.05746	0.02623	0.06316	6.96%	3.18%	7.65%	2.4080	0.03670	4.12%
134.05	3	2	0.85375	0.00035	0.86483	0.01920	0.00784	2.22%		0.03522			4.12%			0.03967	4.09%
135.00	15	15	0.68879	0.01695	0.68879	0.01922	0.00351	2.79%	0.01649	0.00553	0.01739	2.39%	0.80%	2.53%	3.1454	0.00679	4.23%
135.01	2	0															
135.02	3	3	0.68232	0.01177	0.68232	0.01177	0.00480	1.72%		0.02365			3.47%			0.02990	4.24%
135.05	3	3	0.64917	0.03276	0.64917	0.03276	0.01337	5.05%	0.03090	0.01539	0.03452	4.76%	2.37%	5.32%	2.2430	0.01900	4.27%
136.00	4	4	0.20744	0.02745	0.20744	0.02745	0.00971	13.23%	0.02704	0.00671	0.02786	13.04%	3.23%	13.43%	4.1520	0.00778	5.07%
136.01	5	5	0.19920	0.01828	0.19920	0.01828	0.00578	9.18%	0.01805	0.00411	0.01851	9.06%	2.06%	9.29%	4.5036	0.00500	5.10%
136.02	1		0.19500														
136.03	2	0															
136.99	3	2	0.20150	0.00212	0.20267	0.00252	0.00103	1.24%	0.00158	0.00200	0.00255	0.78%	0.99%	1.27%	1.2748	0.01800	5.09%
137.00	10	9	0.56446	0.04299	0.55705	0.04438	0.00992	7.97%	0.04234	0.01057	0.04364	7.50%	1.87%	7.73%	4.1304	0.01555	4.37%
137.01	1		0.61650														
137.02	3	3	0.51852	0.02041	0.51852	0.02041	0.00833	3.94%	0.01864	0.01175	0.02203	3.59%	2.27%	4.25%	1.8755	0.01603	4.42%
137.05	3	3	0.46283	0.07854	0.46283	0.07854	0.03207	16.97%	0.07731	0.01962	0.07976	16.70%	4.24%	17.23%	4.0658	0.02500	4.49%
138.00	15	14	0.86793	0.02946	0.86846	0.02737	0.00500	3.15%	0.02676	0.01743	0.03194	3.08%	2.01%	3.68%	1.8328	0.02145	4.09%
138.01	2	0															
138.02	3	3	0.89063	0.11338	0.89063	0.11338	0.04629	12.73%	0.11185	0.02622	0.11488	12.56%	2.94%	12.90%	4.3815	0.03167	4.07%
138.05	2	0															
139.00	1		0.09500														
139.02	2	0															
139.05	1		0.00000														
141.00	1		0.05800														

Method Code	Total # Labs Submitting	# Labs Included in Calculations	Mean	SD	Assigned Value - Robust Mean	AAFCO CS ftp - Robust sd	Uncertainty (U) - Robust	% RSD - Robust	Between Labs sL	Within Labs sI	Reproducibility sR	Between Labs %RSD	Within Labs %rsd	Reproducibility %RSD	sR/sr	Average Range (R-bar)	Horwitz %RSD
150.00	6	6	961.57	310.24	940.13	305.35	88.148	32.48%	309.49	30.430	310.98	32.19%	3.16%	32.34%	10.220	34.077	
150.99	1		1,369.0														
160.99	3	3	0.23033	0.08474	0.23033	0.08474	0.03459	36.79%	0.08459	0.00702	0.08488	36.73%	3.05%	36.85%	12.085	0.00800	4.99%
161.99	2	0															
162.99	3	3	0.17717	0.05913	0.17717	0.05913	0.02414	33.38%	0.05001	0.04463	0.06702	28.23%	25.19%	37.83%	1.5019	0.05100	5.19%
163.99	2	0															
164.99	3	2	0.00000	0.00000	0.11867	0.20554	0.08391	173.21%	0.00000	0.00000	0.00000					0.01000	5.51%
165.99	3	2	1.7500	0.00000	1.7543	0.00751	0.00306	0.43%		0.05099			2.91%			0.06667	3.68%
166.99	1		0.55550														
167.99	1		0.53200														
400.01	4	4	0.58125	0.00533	0.58125	0.00533	0.00188	0.92%	0.00464	0.00371	0.00594	0.80%	0.64%	1.02%	1.6021	0.00350	
400.99	1		0.59580														
516.00	2	0															
516.01	1		0.03000														
516.52	1		0.04500														
516.53	4	4	0.02883	0.01949	0.02883	0.01949	0.00689	67.61%	0.01924	0.00437	0.01973	66.76%	15.17%	68.46%	4.5124	0.00475	27.28%
518.34	1		0.05000														
518.41	2	0															
518.43	1		0.04000														
518.52	2	0															
518.53	4	4	0.05201	0.00599	0.05201	0.00599	0.00212	11.53%	0.00573	0.00248	0.00625	11.02%	4.77%	12.01%	2.5156	0.00313	24.96%
520.41	3	3	1.5574	0.65554	1.5574	0.65554	0.26762	42.09%	0.63619	0.22359	0.67433	40.85%	14.36%	43.30%	3.0160	0.24083	14.96%
520.43	5	4	2.0075	1.0714	2.6360	1.6840	0.53254	63.89%	1.0604	0.21632	1.0822	52.82%	10.78%	53.91%	5.0030	0.81440	13.83%
520.52	1		3.0895														
520.53	3	2	1.5785	0.53952	1.6007	0.38343	0.15653	23.95%	0.53948	0.01000	0.53957	34.18%	0.63%	34.18%	53.957	0.18333	14.90%
526.34	1		0.10500														
526.41	2	0															
526.43	1		0.00000														
526.52	2	0															
526.53	4	4	0.08906	0.01346	0.08906	0.01346	0.00476	15.12%	0.01343	0.00128	0.01349	15.08%	1.44%	15.15%	10.549	0.00133	23.02%
529.00	1		50.690														
529.99	5	5	17.070	21.315	17.070	21.315	6.7405	124.87%	20.893	5.9750	21.730	122.39%	35.00%	127.30%	3.6368	5.4200	29.52%
539.31	1		1.6700														
539.41	1		1.7618														
539.43	3	2	0.95600	1.3520	2.0373	2.1028	0.85847	103.21%	1.3520	0.00700	1.3520	141.42%	0.73%	141.42%	193.14	0.69800	14.37%
539.52	2	0															
539.53	3	3	1.8207	0.24947	1.8207	0.24947	0.10185	13.70%	0.22762	0.14440	0.26956	12.50%	7.93%	14.81%	1.8668	0.17000	14.62%
600.01	4	4	4.0875	0.80454												1.1750	

Method Code	Total # Labs Submitting	# Labs Included in Calculations	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
600.03	1		3.0000														
600.08	3	3	7.1767	2.7611												0.30667	
600.13	1		3.3150														
600.14	2	0															
600.20	2	0															
600.24	1		1.8500														
600.98	1		6.1000														
601.23	1		0.70700														
602.23	1		0.05600														
603.23	1		0.01800														
604.23	1		0.88200														
610.01	3	2	550.29	777.41												33.337	
610.05	1		760.00														
610.08	1		0.00070														
610.23	2	0															
610.25	1		753.00														
620.01	2	0															
620.02	1		750.00														
620.04	1		650.00														
620.07	1		0.90500														
620.08	1		909.11														
620.09	1		0.00090														
620.23	1		1,019.5														
621.23	2	0															
622.23	2	0															
623.23	1		0.00000														
630.01	1		0.00000														
630.03	1		2.0650														
630.20	1		0.00000														
630.23	2	0															
640.01	1		128.50														
640.03	2	0															
640.23	2	0															
640.25	1		30.000														
650.01	1		64.000														
650.04	3	3	57.133	8.9792												4.3067	
650.07	1		26.606														
650.21	1		37.200														

