

AAFCO Check Sample Program

All Methods Report

Sort by Method

Proficiency For Individual Methods

Sample # 201332

Show Pig Finisher, Medicated



AAFCO

Check Sample Program

Issue Date : 01/31/2014

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 sr	Reproducibility sR	Between Labs %RSD	Within Labs %/srd	Reproducibility %RSD	sR/sr	Average Range (R-bar)	Horwitz %RSD
000.02	1		0.20000														
000.99	1		0.00000														
001.00	7	5	8.7190	1.4012	8.7190	1.4012	0.44308	16.07%	1.4001	0.07662	1.4022	16.06%	0.88%	16.08%	18.302	0.09000	2.89%
001.03	15	12	9.5681	0.09773	9.5674	0.13476	0.02547	1.41%	0.09759	0.00723	0.09786	1.02%	0.08%	1.02%	13.534	0.01284	2.85%
001.05	1		9.4200														
001.07	36	33	9.4544	0.36062	9.4369	0.30684	0.03667	3.25%	0.35392	0.09784	0.36719	3.74%	1.03%	3.88%	3.7529	0.10591	2.85%
001.08	2	0															
001.99	17	16	9.2585	0.87403	9.3389	0.76093	0.13451	8.15%	0.87267	0.06889	0.87538	9.43%	0.74%	9.45%	12.707	0.07369	2.86%
002.00	3	2	20.488	0.32880	20.530	0.24387	0.09956	1.19%	0.32642	0.05590	0.33117	1.59%	0.27%	1.62%	5.9242	0.36000	2.54%
002.01	12	11	20.061	0.15886	20.085	0.19648	0.04011	0.98%	0.13376	0.12120	0.18050	0.67%	0.60%	0.90%	1.4893	0.11592	2.55%
002.02	5	5	20.228	0.36186	20.228	0.36186	0.11443	1.79%	0.35882	0.06617	0.36488	1.77%	0.33%	1.80%	5.5138	0.08978	2.54%
002.03	1		19.735														
002.04	5	5	20.038	0.41438	20.038	0.41438	0.13104	2.07%	0.40814	0.10129	0.42052	2.04%	0.51%	2.10%	4.1516	0.12000	2.55%
002.05	39	37	20.143	0.18833	20.135	0.19190	0.02173	0.95%	0.18482	0.05118	0.19178	0.92%	0.25%	0.95%	3.7472	0.05751	2.55%
002.06	222	135	20.327	0.25205	20.342	0.23537	0.01387	1.16%	0.23848	0.11536	0.26492	1.17%	0.57%	1.30%	2.2964	0.13654	2.54%
002.07	2	0															
002.08	3	3	20.174	0.19933	20.174	0.19933	0.08138	0.99%	0.18919	0.08875	0.20898	0.94%	0.44%	1.04%	2.3546	0.10803	2.54%
002.10	1		20.020														
002.11	4	3	20.592	0.70605	20.598	0.57661	0.20386	2.80%	0.70588	0.02198	0.70622	3.43%	0.11%	3.43%	32.123	0.07000	2.54%
002.99	4	3	19.838	0.23803	19.825	0.19617	0.06936	0.99%	0.22975	0.08803	0.24604	1.16%	0.44%	1.24%	2.7948	0.28000	2.55%
003.00	18	15	6.1371	0.33837	6.0986	0.27000	0.04630	4.43%	0.33535	0.06379	0.34136	5.46%	1.04%	5.56%	5.3517	0.07731	3.05%
003.01	2	0															
003.06	17	15	5.8654	0.15213	5.9055	0.07455	0.01318	1.26%	0.14724	0.05413	0.15687	2.51%	0.92%	2.67%	2.8978	0.05555	3.06%
003.07	1		3.8700														
003.09	24	18	5.9587	0.18474	5.9470	0.20453	0.03156	3.44%	0.17949	0.06185	0.18984	3.01%	1.04%	3.19%	3.0694	0.07839	3.06%
003.10	32	27	5.8884	0.18599	5.8892	0.20816	0.02733	3.53%	0.17614	0.08446	0.19534	2.99%	1.43%	3.32%	2.3128	0.10370	3.06%
003.11	4	4	5.6300	0.31300	5.6300	0.31300	0.11066	5.56%	0.31256	0.02345	0.31344	5.55%	0.42%	5.57%	13.365	0.03000	3.08%

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003.12	12	11	5.9857	0.12721	6.0017	0.12026	0.02455	2.00%	0.12577	0.02698	0.12864	2.10%	0.45%	2.15%	4.7670	0.03731	3.05%
003.13	8	8	6.0566	0.33672	5.9650	0.20074	0.05019	3.37%	0.33332	0.06753	0.34009	5.50%	1.11%	5.62%	5.0361	0.07275	3.06%
003.14	33	30	5.6541	0.45994	5.7214	0.34551	0.04388	6.04%	0.45610	0.08383	0.46374	8.07%	1.48%	8.20%	5.5317	0.08993	3.08%
003.99	8	3	6.0417	0.04163	6.1962	0.37045	0.11715	5.98%	0.03617	0.02915	0.04646	0.60%	0.48%	0.77%	1.5935	0.10360	3.04%
004.00	21	19	2.3116	0.18993	2.3453	0.23740	0.03663	10.12%	0.18379	0.06776	0.19588	7.95%	2.93%	8.47%	2.8907	0.09300	3.52%
004.01	2	0															
004.03	5	5	1.7310	0.99757	1.7310	0.99757	0.31546	57.63%	0.99686	0.05320	0.99828	57.59%	3.07%	57.67%	18.765	0.06600	3.68%
004.06	38	34	2.4556	0.31071	2.4546	0.35353	0.04110	14.40%	0.30914	0.04412	0.31227	12.59%	1.80%	12.72%	7.0775	0.06015	3.49%
004.07	54	49	2.1706	0.37939	2.1933	0.37231	0.03616	16.97%	0.37508	0.08061	0.38365	17.28%	3.71%	17.67%	4.7594	0.09729	3.55%
004.11	4	4	2.6013	0.35897	2.6013	0.35897	0.12691	13.80%	0.35674	0.05646	0.36118	13.71%	2.17%	13.88%	6.3973	0.07250	3.46%
004.99	3	3	2.1817	0.57863	2.1817	0.57863	0.23622	26.52%	0.57321	0.11173	0.58399	26.27%	5.12%	26.77%	5.2269	0.14333	3.56%
005.00	179	103	5.7097	0.15385	5.7125	0.15914	0.01093	2.79%	0.15039	0.04588	0.15723	2.63%	0.80%	2.75%	3.4269	0.05270	3.08%
005.02	1		5.8000														
005.03	2	0															
005.04	1		0.31000														
005.05	28	26	5.8747	0.07008	5.8738	0.07270	0.00989	1.24%	0.06654	0.03108	0.07344	1.13%	0.53%	1.25%	2.3631	0.04061	3.06%
005.11	4	3	5.9250	1.0626	9.5375	7.2769	2.5728	76.30%	1.0619	0.05370	1.0633	17.92%	0.91%	17.95%	19.801	0.09000	2.85%
005.99	13	12	5.7821	0.28051	5.8263	0.14770	0.02897	2.54%	0.27599	0.07098	0.28497	4.77%	1.23%	4.93%	4.0150	0.06846	3.07%
006.00	3	3	3.2933	0.56094	3.2933	0.56094	0.22900	17.03%	0.54428	0.19192	0.57713	16.53%	5.83%	17.52%	3.0071	0.21333	3.34%
006.01	1		4.4550														
006.03	1		4.7000														
006.99	3	3	4.3317	0.78378	4.3317	0.78378	0.31998	18.09%	0.77477	0.16758	0.79269	17.89%	3.87%	18.30%	4.7302	0.19667	3.21%
008.02	15	14	3.5739	0.47250	3.5604	0.49184	0.09295	13.81%	0.46954	0.07471	0.47545	13.14%	2.09%	13.30%	6.3636	0.08929	3.30%
008.05	1		3.5000														
008.08	30	29	3.5707	0.84844	3.4950	0.76118	0.09827	21.78%	0.83887	0.17978	0.85791	23.49%	5.04%	24.03%	4.7719	0.21900	3.31%
008.99	1		3.8000														
009.04	2	0															
009.07	9	7	8.5947	0.76681	8.5177	0.83458	0.20865	9.80%	0.76449	0.08426	0.76912	8.89%	0.98%	8.95%	9.1280	0.18075	2.90%
009.09	27	24	8.2310	1.0938	8.3712	1.2854	0.17492	15.35%	1.0854	0.19120	1.1021	13.19%	2.32%	13.39%	5.7642	0.28259	2.91%
009.99	2	0															
010.03	4	3	9.5517	0.26600	8.7438	1.6304	0.57642	18.65%	0.14101	0.31898	0.34876	1.48%	3.34%	3.65%	1.0933	0.33250	2.89%
010.11	5	5	9.6135	0.27485	9.6135	0.27485	0.08692	2.86%	0.27409	0.02888	0.27561	2.85%	0.30%	2.87%	9.5429	0.03980	2.85%
010.99	8	8	9.3081	0.40398	9.3042	0.29926	0.07481	3.22%	0.38582	0.16936	0.42136	4.15%	1.82%	4.53%	2.4880	0.15625	2.86%
011.01	156	73	10.184	0.25731	10.197	0.25485	0.02067	2.50%	0.25212	0.07273	0.26240	2.48%	0.71%	2.58%	3.6078	0.08228	2.82%
011.02	3	3	10.192	0.16358	10.192	0.16358	0.06678	1.61%	0.13608	0.12839	0.18708	1.34%	1.26%	1.84%	1.4572	0.14333	2.82%
011.03	2	0															
011.99	3	3	10.148	0.37424	10.148	0.37424	0.15278	3.69%	0.37258	0.04983	0.37590	3.67%	0.49%	3.70%	7.5432	0.05667	2.82%
012.00	12	11	41.781	2.1259	42.596	0.69468	0.14811	1.63%	2.1232	0.15095	2.1286	5.08%	0.36%	5.09%	14.101	0.17727	2.27%

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012.01	5	5	37.333	2.8368	37.333	2.8368	0.89707	7.60%	2.8077	0.57293	2.8656	7.52%	1.53%	7.68%	5.0016	0.78600	2.32%
012.03	4	4	37.058	2.9281	37.058	2.9281	1.0353	7.90%	2.9201	0.30721	2.9362	7.88%	0.83%	7.92%	9.5578	0.40500	2.32%
012.04	5	5	39.776	2.5384	39.776	2.5384	0.80273	6.38%	2.5139	0.49810	2.5628	6.32%	1.25%	6.44%	5.1451	0.57600	2.30%
012.11	4	4	42.119	1.7920	42.119	1.7920	0.63358	4.25%	1.7893	0.13951	1.7948	4.25%	0.33%	4.26%	12.865	0.15250	2.28%
013.00	20	19	6.6941	0.41460	6.6814	0.40532	0.06575	6.07%	0.39533	0.17667	0.43301	5.91%	2.64%	6.47%	2.4510	0.19958	3.01%
013.02	102	27	7.0939	0.29265	7.0923	0.29364	0.03791	4.14%	0.28936	0.06188	0.29591	4.08%	0.87%	4.17%	4.7816	0.09133	2.98%
013.08	1		5.5550														
013.10	10	9	6.4430	0.47035	6.3765	0.43745	0.09782	6.86%	0.45770	0.15326	0.48268	7.10%	2.38%	7.49%	3.1494	0.17640	3.03%
013.12	2	0															
013.13	3	3	6.8983	0.31154	6.8983	0.31154	0.12719	4.52%	0.22424	0.30586	0.37925	3.25%	4.43%	5.50%	1.2400	0.36333	2.99%
014.99	1		12.500														
015.41	4	4	459.16	54.824	459.16	54.824	19.383	11.94%	54.669	5.8159	54.978	11.91%	1.27%	11.97%	9.4530	7.0601	6.36%
015.42	1		286.45														
015.43	5	5	338.07	157.05	338.07	157.05	49.663	46.45%	156.35	20.864	157.74	46.25%	6.17%	46.66%	7.5602	25.500	6.66%
015.52	1		404.96														
015.53	1		233.88														
017.41	2	0															
017.42	3	3	11.117	0.44594	11.117	0.44594	0.18205	4.01%	0.29823	0.46886	0.55568	2.68%	4.22%	5.00%	1.1852	0.52000	11.13%
017.43	5	4	9.5838	6.6746	7.7670	7.0651	2.2342	90.96%	6.6742	0.11028	6.6751	69.64%	1.15%	69.65%	60.527	0.28200	11.75%
019.00	21	18	0.96055	0.03707	0.96602	0.04385	0.00693	4.54%	0.03653	0.00896	0.03761	3.80%	0.93%	3.92%	4.1986	0.01273	4.02%
019.02	1		0.96500														
019.03	1		1.0216														
019.08	9	7	0.99471	0.06835	0.97244	0.06969	0.01643	7.17%	0.06818	0.00670	0.06851	6.85%	0.67%	6.89%	10.233	0.00851	4.02%
019.31	27	26	0.93379	0.04323	0.93657	0.03054	0.00423	3.26%	0.03890	0.02666	0.04716	4.17%	2.86%	5.05%	1.7687	0.02665	4.04%
019.32	7	5	0.95942	0.07751	0.93341	0.04832	0.01395	5.18%	0.07744	0.00474	0.07759	8.07%	0.49%	8.09%	16.366	0.00947	4.04%
019.33	1		0.97500														
019.34	1		0.83500														
019.41	37	33	0.94846	0.03697	0.95078	0.04313	0.00508	4.54%	0.03549	0.01465	0.03840	3.74%	1.55%	4.05%	2.6202	0.01563	4.03%
019.42	17	16	0.95432	0.06580	0.94948	0.05153	0.00911	5.43%	0.06363	0.02369	0.06790	6.67%	2.48%	7.12%	2.8658	0.02428	4.03%
019.43	18	16	0.96631	0.05727	0.97472	0.06363	0.01091	6.53%	0.05522	0.02146	0.05925	5.71%	2.22%	6.13%	2.7607	0.02776	4.02%
019.44	3	3	0.96217	0.02089	0.96217	0.02089	0.00853	2.17%		0.03256			3.38%			0.03920	4.02%
019.52	2	0															
019.53	4	4	0.88388	0.12781	0.88388	0.12781	0.04519	14.46%	0.12537	0.03514	0.13021	14.18%	3.98%	14.73%	3.7049	0.03675	4.07%
019.99	3	3	0.89067	0.10722	0.89067	0.10722	0.04377	12.04%	0.10684	0.01278	0.10760	12.00%	1.43%	12.08%	8.4194	0.01800	4.07%
020.43	1		3.2050														
021.31	2	0															
021.41	5	5	0.97790	0.25243	0.97790	0.25243	0.07982	25.81%	0.25110	0.03658	0.25375	25.68%	3.74%	25.95%	6.9362	0.04020	16.05%
021.42	4	3	0.63488	0.55933	0.68116	0.46598	0.16475	68.41%	0.55924	0.01386	0.55942	88.09%	2.18%	88.11%	40.358	0.07248	16.95%

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021.43	5	3	1.2067	0.11015	0.96700	0.54616	0.17271	56.48%	0.11000	0.00816	0.11030	9.12%	0.68%	9.14%	13.509	0.01400	16.08%
021.52	2	0															
021.53	2	0															
022.31	12	11	25.225	1.4249	24.963	1.7738	0.36207	7.11%	1.3625	0.58941	1.4846	5.40%	2.34%	5.89%	2.5187	0.59500	9.86%
022.32	4	4	29.030	3.5375	29.030	3.5375	1.2507	12.19%	3.2608	1.9398	3.7942	11.23%	6.68%	13.07%	1.9559	2.6800	9.64%
022.33	2	0															
022.41	27	24	24.674	1.8331	24.682	1.4852	0.20210	6.02%	1.7639	0.70583	1.8998	7.15%	2.86%	7.70%	2.6916	0.98744	9.87%
022.42	15	14	25.782	2.5636	25.682	1.5296	0.28906	5.96%	2.4560	1.0389	2.6667	9.53%	4.03%	10.34%	2.5669	1.0714	9.81%
022.43	16	14	24.673	2.3647	24.765	2.9333	0.51854	11.84%	2.1856	1.2767	2.5311	8.86%	5.17%	10.26%	1.9826	1.7769	9.87%
022.44	3	2	25.025	1.3081	111.65	150.04	61.254	134.39%	1.1597	0.85586	1.4414	4.63%	3.42%	5.76%	1.6841	1.9667	7.87%
022.52	1		26.885														
022.53	4	4	24.425	5.5995	24.425	5.5995	1.9797	22.93%	5.4693	1.6978	5.7267	22.39%	6.95%	23.45%	3.3730	1.8500	9.89%
025.31	14	13	423.03	37.182	415.59	37.624	7.1102	9.05%	36.676	8.6425	37.681	8.67%	2.04%	8.91%	4.3599	8.4293	6.46%
025.32	4	4	350.89	31.724	350.89	31.724	11.216	9.04%	31.550	4.6995	31.898	8.99%	1.34%	9.09%	6.7874	4.9375	6.62%
025.33	2	0															
025.41	31	28	397.33	40.244	400.73	28.000	3.6148	6.99%	39.653	9.7171	40.827	9.98%	2.45%	10.28%	4.2015	10.949	6.49%
025.42	13	11	327.37	42.843	325.04	21.673	4.4239	6.67%	42.034	11.719	43.637	12.84%	3.58%	13.33%	3.7236	17.230	6.70%
025.43	16	15	362.78	55.193	365.01	57.384	10.477	15.72%	54.734	10.051	55.649	15.09%	2.77%	15.34%	5.5368	11.279	6.58%
025.52	1		285.89														
025.53	2	0															
027.31	15	15	0.21337	0.01084	0.21185	0.00790	0.00144	3.73%	0.01056	0.00348	0.01112	4.95%	1.63%	5.21%	3.1969	0.00360	5.05%
027.32	5	5	0.22215	0.00757	0.22215	0.00757	0.00240	3.41%	0.00686	0.00455	0.00823	3.09%	2.05%	3.70%	1.8095	0.00494	5.02%
027.33	2	0															
027.34	1		0.18500														
027.41	26	25	0.21967	0.01113	0.22017	0.01002	0.00139	4.55%	0.01041	0.00558	0.01181	4.74%	2.54%	5.38%	2.1151	0.00595	5.02%
027.42	12	12	0.21756	0.01122	0.21709	0.01186	0.00242	5.46%	0.00973	0.00789	0.01253	4.47%	3.63%	5.76%	1.5876	0.00923	5.03%
027.43	15	12	0.21158	0.01066	0.21398	0.00935	0.00183	4.37%	0.01034	0.00366	0.01097	4.89%	1.73%	5.18%	2.9943	0.00300	5.04%
027.44	1		0.20950														
027.52	1		0.21515														
027.53	1		0.22715														
028.31	12	9	65.441	2.7897	64.967	2.3183	0.51840	3.57%	2.6872	1.0594	2.8885	4.11%	1.62%	4.41%	2.7265	1.7850	8.54%
028.32	4	4	67.928	1.1362	67.928	1.1362	0.40171	1.67%		2.5156			3.70%			3.0800	8.48%
028.33	1		64.865														
028.41	28	26	62.363	3.2689	62.620	2.3678	0.32221	3.78%	3.0459	1.6783	3.4776	4.88%	2.69%	5.58%	2.0721	2.1175	8.58%
028.42	15	15	65.681	2.9386	66.276	1.6238	0.29647	2.45%	2.1866	2.7765	3.5341	3.33%	4.23%	5.38%	1.2729	2.9967	8.51%
028.43	17	14	64.988	2.9283	64.986	3.9397	0.69644	6.06%	2.5451	2.0480	3.2668	3.92%	3.15%	5.03%	1.5951	2.5625	8.53%
028.44	4	3	63.333	11.423	147.56	168.72	59.650	114.34%	11.333	2.0207	11.512	17.89%	3.19%	18.18%	5.6970	2.1750	7.54%
028.52	1		60.710														

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
028.53	3	3	61.050	9.5240	61.050	9.5240	3.8882	15.60%	9.4239	1.9481	9.6231	15.44%	3.19%	15.76%	4.9398	2.5000	8.62%
031.01	55	53	0.59561	0.02077	0.59691	0.01703	0.00162	2.85%	0.01990	0.00842	0.02161	3.34%	1.41%	3.63%	2.5665	0.01009	4.32%
031.02	2	0															
031.03	5	4	0.60403	0.00579	0.59622	0.01816	0.00574	3.05%		0.01588			2.63%			0.01664	4.32%
031.06	2	0															
031.41	34	31	0.60118	0.02929	0.60006	0.02839	0.00349	4.73%	0.02862	0.00884	0.02995	4.76%	1.47%	4.98%	3.3881	0.01086	4.32%
031.42	18	15	0.58221	0.02289	0.58821	0.02632	0.00451	4.48%	0.02043	0.01462	0.02512	3.51%	2.51%	4.31%	1.7182	0.01649	4.33%
031.43	17	16	0.58778	0.03488	0.59003	0.02573	0.00441	4.36%	0.03421	0.00963	0.03554	5.82%	1.64%	6.05%	3.6923	0.01253	4.33%
031.44	3	2	0.59793	0.04324	0.60862	0.03575	0.01459	5.87%	0.04320	0.00246	0.04327	7.23%	0.41%	7.24%	17.590	0.01830	4.31%
031.52	1		0.56775														
031.53	4	4	0.54614	0.09850	0.54614	0.09850	0.03482	18.03%	0.09812	0.01217	0.09887	17.97%	2.23%	18.10%	8.1220	0.01333	4.38%
031.99	5	4	0.59250	0.00645	0.57900	0.03070	0.00971	5.30%		0.01063			1.79%			0.01240	4.34%
032.02	3	3	0.83300	0.07889	0.83300	0.07889	0.03221	9.47%	0.07313	0.04183	0.08425	8.78%	5.02%	10.11%	2.0140	0.04333	4.11%
032.31	17	14	0.86653	0.03443	0.87303	0.03834	0.00678	4.39%	0.03209	0.01765	0.03662	3.70%	2.04%	4.23%	2.0753	0.02258	4.08%
032.32	3	3	0.91027	0.08736	0.91027	0.08736	0.03567	9.60%	0.08705	0.01046	0.08767	9.56%	1.15%	9.63%	8.3849	0.01200	4.06%
032.41	27	23	0.88118	0.03772	0.88083	0.03990	0.00553	4.53%	0.03617	0.01515	0.03922	4.10%	1.72%	4.45%	2.5887	0.01916	4.08%
032.42	14	12	0.86218	0.04338	0.87447	0.03189	0.00625	3.65%	0.04216	0.01445	0.04457	4.89%	1.68%	5.17%	3.0852	0.01992	4.08%
032.43	15	15	0.87417	0.05914	0.88106	0.03270	0.00597	3.71%	0.05774	0.01812	0.06051	6.60%	2.07%	6.92%	3.3403	0.01993	4.08%
032.44	1		0.89100														
032.52	1		0.88835														
032.53	2	0															
032.99	1		0.78750														
033.00	37	34	0.66462	0.07537	0.65717	0.06503	0.00766	9.90%	0.07467	0.01445	0.07606	11.24%	2.17%	11.44%	5.2642	0.01715	4.26%
033.01	39	36	0.71508	0.02839	0.71482	0.02105	0.00241	2.94%	0.02775	0.00849	0.02902	3.88%	1.19%	4.06%	3.4185	0.00893	4.21%
033.03	6	5	0.47500	0.06557	0.50167	0.04612	0.01331	9.19%	0.06430	0.01817	0.06682	13.54%	3.82%	14.07%	3.6784	0.02667	4.44%
033.05	4	4	0.73250	0.06714	0.73250	0.06714	0.02374	9.17%	0.06611	0.01658	0.06816	9.03%	2.26%	9.31%	4.1102	0.02000	4.19%
033.99	11	11	0.73259	0.16800	0.70634	0.08305	0.01771	11.76%	0.16731	0.02141	0.16868	22.84%	2.92%	23.02%	7.8781	0.02305	4.21%
034.01	2	0															
034.04	6	6	0.60608	0.07251	0.60608	0.08223	0.02374	13.57%	0.07179	0.01444	0.07323	11.85%	2.38%	12.08%	5.0705	0.01817	17.25%
034.34	1		0.64000														
034.41	2	0															
034.42	1		1.2650														
034.43	4	3	0.62270	0.68720	0.76203	0.62648	0.22149	82.21%	0.68451	0.08590	0.68988	109.93%	13.80%	110.79%	8.0309	0.37635	16.66%
034.52	3	3	0.73450	0.05599	0.73450	0.05599	0.02286	7.62%	0.03614	0.06049	0.07046	4.92%	8.24%	9.59%	1.1649	0.08167	16.76%
034.53	6	6	0.67583	0.16755	0.69333	0.12639	0.03649	18.23%	0.16707	0.01803	0.16804	24.72%	2.67%	24.86%	9.3211	0.01833	16.90%
034.99	1		0.44000														
035.01	3	3	0.26133	0.01554	0.26133	0.01554	0.00635	5.95%	0.01544	0.00252	0.01564	5.91%	0.96%	5.99%	6.2165	0.00267	4.89%
035.05	6	3	0.25483	0.00425	0.25934	0.01257	0.00398	4.85%	0.00245	0.00492	0.00549	0.96%	1.93%	2.16%	1.1173	0.00996	4.90%

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
035.31	17	16	0.26620	0.01799	0.26610	0.01691	0.00290	6.36%	0.01740	0.00644	0.01855	6.54%	2.42%	6.97%	2.8808	0.00657	4.88%
035.32	4	4	0.28605	0.03134	0.28605	0.03134	0.01108	10.95%	0.02290	0.03026	0.03794	8.00%	10.58%	13.26%	1.2541	0.03540	4.83%
035.41	35	32	0.26284	0.01376	0.26324	0.01442	0.00175	5.48%	0.01264	0.00770	0.01480	4.81%	2.93%	5.63%	1.9224	0.00895	4.89%
035.42	15	15	0.27018	0.02801	0.26684	0.02161	0.00395	8.10%	0.02706	0.01023	0.02893	10.02%	3.78%	10.71%	2.8287	0.00957	4.88%
035.43	13	12	0.26067	0.00675	0.26118	0.00550	0.00108	2.11%	0.00547	0.00560	0.00783	2.10%	2.15%	3.00%	1.3984	0.00623	4.90%
035.52	1		0.25900														
035.53	4	3	0.24493	0.04028	0.25133	0.03528	0.01248	14.04%	0.04022	0.00321	0.04034	16.42%	1.31%	16.47%	12.574	0.00915	4.92%
036.04	3	3	0.20667	0.02843	0.20667	0.02843	0.01161	13.76%	0.02814	0.00577	0.02872	13.61%	2.79%	13.90%	4.9749	0.00667	5.07%
036.42	15	14	0.21194	0.00789	0.21082	0.00925	0.00169	4.39%	0.00627	0.00678	0.00924	2.96%	3.20%	4.36%	1.3625	0.00705	5.06%
036.43	9	9	0.21800	0.01452	0.22182	0.00482	0.00114	2.17%	0.01341	0.00785	0.01554	6.15%	3.60%	7.13%	1.9790	0.00822	5.02%
037.31	19	15	214.89	6.9533	214.89	9.2321	1.5833	4.30%	6.7363	2.4376	7.1638	3.13%	1.13%	3.33%	2.9388	4.0700	7.13%
037.32	5	5	228.29	15.476	228.29	15.476	4.8939	6.78%	14.896	5.9347	16.035	6.52%	2.60%	7.02%	2.7018	6.4200	7.06%
037.33	2	0															
037.41	31	28	217.39	11.372	217.92	10.632	1.3725	4.88%	10.705	5.4260	12.001	4.92%	2.50%	5.52%	2.2118	6.6213	7.11%
037.42	14	14	225.35	9.7223	226.57	8.7033	1.6448	3.84%	7.4732	8.7949	11.541	3.32%	3.90%	5.12%	1.3123	8.9321	7.07%
037.43	18	17	214.92	11.885	214.90	11.808	1.9680	5.49%	10.732	7.2206	12.935	4.99%	3.36%	6.02%	1.7914	7.0739	7.13%
037.44	3	3	361.67	268.52	361.67	268.52	109.62	74.24%	268.50	5.0073	268.54	74.24%	1.38%	74.25%	53.630	6.0667	6.59%
037.52	2	0															
037.53	2	0															
038.41	3	3	1.0389	0.19910	1.0389	0.19910	0.08128	19.16%	0.19900	0.00890	0.19920	19.15%	0.86%	19.17%	22.382	0.01083	15.91%
038.42	3	3	0.74167	0.66911	0.74167	0.66911	0.27316	90.22%	0.66838	0.04416	0.66984	90.12%	5.95%	90.32%	15.169	0.05000	16.73%
038.43	8	7	1.0286	0.55100	1.1031	0.26955	0.06739	24.44%	0.54956	0.05632	0.55243	53.43%	5.48%	53.71%	9.8096	0.09750	15.76%
038.52	2	0															
038.53	1		1.2250														
040.42	1		4.2000														
041.43	1		0.00000														
057.99	1		3.9550														
093.99	8	7	8.9121	0.79795	8.6542	1.0883	0.27206	12.57%	0.68822	0.57110	0.89432	7.72%	6.41%	10.03%	1.5659	0.58191	29.03%
101.01	1		414.00														
101.02	1		523.25														
102.01	1		31.050														
103.01	1		10.305														
104.00	1		3.8300														
104.03	2	0															
105.00	1		1.2250														
105.01	1		1.8450														
106.00	1		2.2000														
106.01	1		2.1400														

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106.02	18	16	1.9391	0.79956	2.0585	0.71825	0.12318	34.89%	0.79430	0.12947	0.80479	40.96%	6.68%	41.50%	6.2161	0.17078	
107.00	1		27.060														
108.01	1		0.52700														
108.02	3	3	0.86000	1.0359	0.86000	1.0359	0.42291	120.45%	1.0356	0.03464	1.0362	120.42%	4.03%	120.49%	29.912	0.04000	
108.99	1		610.00														
109.00	1		55.000														
109.02	19	17	56.982	13.145	56.409	13.083	2.1805	23.19%	13.115	1.2585	13.175	23.02%	2.21%	23.12%	10.469	1.5026	8.72%
112.00	1		3.6100														
120.00	13	11	1.0604	0.02099	1.0568	0.02684	0.00548	2.54%	0.02008	0.00863	0.02186	1.89%	0.81%	2.06%	2.5326	0.01142	3.97%
120.01	1		0.99050														
120.02	2	0															
120.05	3	3	1.0233	0.05736	1.0233	0.05736	0.02342	5.61%	0.05322	0.03027	0.06123	5.20%	2.96%	5.98%	2.0226	0.03000	3.99%
121.00	13	12	1.3415	0.02876	1.3432	0.02932	0.00598	2.18%	0.02776	0.01066	0.02974	2.07%	0.79%	2.22%	2.7891	0.01183	3.83%
121.01	1		1.4160														
121.02	2	0															
121.05	3	3	1.3325	0.11364	1.3325	0.11364	0.04639	8.53%	0.11189	0.02806	0.11535	8.40%	2.11%	8.66%	4.1115	0.03967	3.83%
122.00	13	11	2.0135	0.03902	2.0082	0.04708	0.00961	2.34%	0.03769	0.01431	0.04031	1.87%	0.71%	2.00%	2.8170	0.01808	3.60%
122.01	1		2.0425														
122.02	2	0															
122.05	3	3	1.9867	0.06725	1.9867	0.06725	0.02746	3.39%	0.05513	0.05447	0.07750	2.78%	2.74%	3.90%	1.4228	0.06400	3.61%
124.00	13	11	0.31577	0.01774	0.31113	0.01766	0.00360	5.68%	0.01731	0.00550	0.01817	5.48%	1.74%	5.75%	3.3040	0.00808	4.77%
124.01	1		0.30800														
124.02	2	0															
124.05	2	0															
125.00	13	12	3.5528	0.06648	3.5500	0.05580	0.01094	1.57%	0.05988	0.04084	0.07248	1.69%	1.15%	2.04%	1.7746	0.04777	3.31%
125.01	1		3.7785														
125.02	2	0															
125.05	3	3	3.4943	0.08451	3.4943	0.08451	0.03450	2.42%		0.12240			3.50%			0.13533	3.31%
126.00	13	12	0.99108	0.02321	0.99108	0.02632	0.00537	2.66%	0.02241	0.00854	0.02398	2.26%	0.86%	2.42%	2.8069	0.01000	4.01%
126.01	1		1.0295														
126.02	2	0															
126.05	3	3	0.97433	0.04968	0.97433	0.04968	0.02028	5.10%	0.04229	0.03686	0.05610	4.34%	3.78%	5.76%	1.5219	0.04733	4.02%
127.00	12	11	0.55141	0.02055	0.55006	0.02007	0.00428	3.65%	0.02008	0.00620	0.02102	3.64%	1.13%	3.81%	3.3873	0.00736	4.38%
127.01	1		0.47750														
127.02	2	0															
127.05	3	2	0.53250	0.04101	0.56050	0.05651	0.02307	10.08%	0.04098	0.00212	0.04104	7.70%	0.40%	7.71%	19.346	0.04167	4.36%
128.00	13	12	0.79696	0.03016	0.79838	0.03089	0.00630	3.87%	0.02759	0.01722	0.03252	3.46%	2.16%	4.08%	1.8893	0.01808	4.14%
128.01	1		0.88750														

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128.02	2	0															
128.05	3	3	0.72117	0.07078	0.72117	0.07078	0.02889	9.81%	0.07033	0.01122	0.07122	9.75%	1.56%	9.88%	6.3490	0.01367	4.20%
129.00	13	11	1.6538	0.03959	1.6585	0.03645	0.00744	2.20%	0.03883	0.01089	0.04033	2.35%	0.66%	2.44%	3.7036	0.01592	3.71%
129.01	1		1.6825														
129.02	2	0															
129.05	3	3	1.6553	0.02844	1.6553	0.02844	0.01161	1.72%	0.01204	0.03645	0.03838	0.73%	2.20%	2.32%	1.0531	0.04200	3.71%
130.00	15	13	1.1469	0.03563	1.1444	0.02828	0.00534	2.47%	0.03476	0.01109	0.03649	3.03%	0.97%	3.18%	3.2890	0.01571	3.92%
130.01	2	0															
130.02	2	0															
130.05	6	6	1.1687	0.06336	1.1687	0.07185	0.02074	6.15%	0.05208	0.05103	0.07291	4.46%	4.37%	6.24%	1.4288	0.05033	3.91%
130.99	1		1.1300														
131.00	12	12	0.32900	0.02390	0.32753	0.01245	0.00254	3.80%	0.02330	0.00755	0.02449	7.08%	2.29%	7.44%	3.2441	0.00850	4.73%
131.01	1		0.31800														
131.02	2	0															
131.05	3	3	0.29500	0.04677	0.29500	0.04677	0.01910	15.86%	0.04650	0.00719	0.04705	15.76%	2.44%	15.95%	6.5455	0.00933	4.81%
132.00	13	11	0.96314	0.01825	0.96422	0.02112	0.00414	2.19%	0.01636	0.01144	0.01996	1.70%	1.19%	2.07%	1.7446	0.01669	4.02%
132.01	1		1.0115														
132.02	2	0															
132.05	3	3	0.96617	0.01856	0.96617	0.01856	0.00758	1.92%	0.00884	0.02308	0.02471	0.91%	2.39%	2.56%	1.0708	0.02967	4.02%
133.00	13	12	1.2231	0.03327	1.2170	0.03944	0.00774	3.24%	0.02759	0.02629	0.03811	2.26%	2.15%	3.12%	1.4495	0.03008	3.88%
133.05	3	3	1.2353	0.06147	1.2353	0.06147	0.02510	4.98%	0.05318	0.04360	0.06877	4.30%	3.53%	5.57%	1.5772	0.04733	3.87%
133.99	1		1.6650														
134.00	13	13	0.95954	0.03674	0.96062	0.02473	0.00485	2.57%	0.03525	0.01466	0.03817	3.67%	1.53%	3.98%	2.6042	0.01631	4.02%
134.01	1		1.0845														
134.02	2	0															
134.05	3	3	0.95900	0.07337	0.95900	0.07337	0.02995	7.65%	0.06837	0.03765	0.07805	7.13%	3.93%	8.14%	2.0732	0.05200	4.03%
135.00	13	13	0.75012	0.01590	0.74896	0.01604	0.00315	2.14%	0.01494	0.00770	0.01681	1.99%	1.03%	2.24%	2.1823	0.00792	4.18%
135.01	1		0.81350														
135.02	2	0															
135.05	3	3	0.75317	0.00693	0.75317	0.00693	0.00283	0.92%		0.01853			2.46%			0.02300	4.17%
136.00	2	0															
136.01	5	5	0.23310	0.01524	0.23310	0.01524	0.00482	6.54%	0.01510	0.00292	0.01538	6.48%	1.25%	6.60%	5.2754	0.00340	4.98%
136.02	2	0															
136.03	2	0															
136.05	1		0.16450														
136.99	1		0.22500														
137.00	8	7	0.63564	0.02635	0.63746	0.02595	0.00693	4.07%	0.02576	0.00781	0.02692	4.05%	1.23%	4.23%	3.4484	0.00871	4.28%
137.01	1		0.72300														

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
137.02	2	0															
137.05	3	3	0.53333	0.15968	0.53333	0.15968	0.06519	29.94%	0.15950	0.01068	0.15985	29.91%	2.00%	29.97%	14.972	0.01267	4.40%
138.00	12	11	0.94277	0.02676	0.94797	0.03286	0.00671	3.47%	0.02339	0.01838	0.02975	2.48%	1.95%	3.16%	1.6185	0.02375	4.03%
138.01	1		1.0300														
138.02	2	0															
138.05	3	3	0.94450	0.07753	0.94450	0.07753	0.03165	8.21%	0.07635	0.01901	0.07869	8.08%	2.01%	8.33%	4.1385	0.02167	4.03%
139.00	1		0.17500														
139.02	2	0															
160.99	3	3	0.32867	0.20756	0.32867	0.20756	0.08474	63.15%	0.20742	0.01077	0.20770	63.11%	3.28%	63.19%	19.284	0.01467	4.73%
161.99	1		0.00000														
162.99	3	3	0.41583	0.52716	0.41583	0.52716	0.21521	126.77%	0.52708	0.01342	0.52725	126.75%	3.23%	126.79%	39.281	0.01633	4.56%
163.99	2	0															
164.99	2	0															
165.99	6	6	2.7738	0.82796	2.6354	0.38473	0.11106	14.60%	0.82582	0.08414	0.83010	29.77%	3.03%	29.93%	9.8653	0.09183	3.46%
166.99	1		0.70650														
167.99	1		1.4315														
400.01	3	3	0.48483	0.00671	0.48483	0.00671	0.00274	1.38%	0.00000	0.00950	0.00950	0.00%	1.96%	1.96%	1.0000	0.01033	
400.99	1		0.54685														
516.00	3	3	0.10667	0.05445	0.10667	0.05445	0.02223	51.04%	0.05379	0.01190	0.05509	50.43%	11.16%	51.65%	4.6289	0.01667	22.40%
516.43	1		0.00000														
516.52	2	0															
516.53	3	3	0.15667	0.03753	0.15667	0.03753	0.01532	23.95%	0.03452	0.02082	0.04031	22.03%	13.29%	25.73%	1.9365	0.02000	21.14%
518.34	1		0.13045														
518.41	4	4	0.03825	0.01680	0.03825	0.01680	0.00594	43.92%	0.01523	0.01003	0.01824	39.82%	26.23%	47.68%	1.8180	0.01275	26.14%
518.43	2	0															
518.52	2	0															
518.53	5	4	0.03563	0.00439	0.03750	0.00566	0.00179	15.08%	0.00315	0.00432	0.00534	8.84%	12.11%	15.00%	1.2379	0.00940	26.22%
520.31	1		3.5000														
520.41	3	3	1.7463	0.34974	1.7463	0.34974	0.14278	20.03%	0.34854	0.04095	0.35094	19.96%	2.34%	20.10%	8.5704	0.05650	14.71%
520.43	3	2	1.3675	1.9339	3.2250	3.4959	1.4272	108.40%	1.9338	0.03500	1.9341	141.41%	2.56%	141.43%	55.260	0.65000	13.41%
520.52	1		3.5645														
520.53	4	4	2.7488	0.50482	2.7488	0.50482	0.17848	18.37%	0.49780	0.11859	0.51173	18.11%	4.31%	18.62%	4.3153	0.10750	13.74%
520.99	1		2.6850														
526.31	2	0															
526.34	1		0.02000														
526.41	2	0															
526.43	2	0															
526.52	2	0															

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526.53	4	4	0.30250	0.07274	0.30250	0.07274	0.02572	24.05%	0.05066	0.07382	0.08954	16.75%	24.40%	29.60%	1.2128	0.07500	19.15%
529.99	3	3	6.3667	5.2427	6.3667	5.2427	2.1403	82.35%	2.7978	6.2703	6.8662	43.94%	98.49%	107.85%	1.0950	6.1333	34.24%
539.31	1		2.0000														
539.41	2	0															
539.43	2	0															
539.52	1		1.9895														
539.53	1		1.9650														
600.01	4	4	1.3625	1.1870												0.37500	
600.03	1		0.00000														
600.12	1		0.00050														
600.13	1		1.7220														
600.14	1		0.80000														
600.20	2	0															
600.98	2	0															
610.01	2	0															
620.01	2	0															
620.04	1		4,000.0														
620.09	1		0.00370														
630.01	1		5.2000														
640.01	1		123.00														
650.01	2	0															
650.06	1		100.25														
650.07	1		21.921														