

AAFCO Check Sample Program

All Methods Report

Sort by Method

Proficiency For Individual Methods

Sample # 201430

Medicated Swine Starter



AAFCO

Check Sample Program

Issue Date : 11/30/2014

Method Code	Total # Labs Submitting	# Labs Included In Method 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		0.20000														
000.99	1		0.03500														
001.00	7	5	9.4698	0.77313	9.7505	0.77215	0.22290	7.92%	0.77300	0.01952	0.77325	8.16%	0.21%	8.17%	39.610	0.04388	2.84%
001.03	10	10	9.7984	0.37490	9.8302	0.34435	0.07700	3.50%	0.37444	0.02611	0.37535	3.82%	0.27%	3.83%	14.375	0.02260	2.84%
001.05	1		9.3700														
001.07	35	32	9.6431	0.35334	9.6585	0.38423	0.04730	3.98%	0.34724	0.09247	0.35934	3.60%	0.96%	3.73%	3.8861	0.11221	2.84%
001.08	2	0															
001.99	20	17	9.7108	0.58436	9.7001	0.58962	0.09565	6.08%	0.58188	0.07606	0.58683	5.99%	0.78%	6.04%	7.7152	0.10184	2.84%
002.00	3	3	20.642	0.52241	20.642	0.52241	0.21327	2.53%	0.50938	0.16396	0.53512	2.47%	0.79%	2.59%	3.2637	0.17000	2.54%
002.01	14	13	20.700	0.38599	20.743	0.45842	0.08663	2.21%	0.37572	0.12509	0.39599	1.82%	0.60%	1.91%	3.1658	0.14743	2.53%
002.02	4	4	20.793	0.13008	20.793	0.13008	0.04599	0.63%	0.12137	0.06621	0.13825	0.58%	0.32%	0.66%	2.0882	0.07705	2.53%
002.04	5	5	20.742	0.22301	20.742	0.22301	0.07052	1.08%	0.20848	0.11198	0.23665	1.01%	0.54%	1.14%	2.1133	0.14800	2.53%
002.05	41	36	20.649	0.25443	20.667	0.26852	0.03040	1.30%	0.24451	0.09951	0.26398	1.18%	0.48%	1.28%	2.6529	0.10959	2.54%
002.06	131	120	20.992	0.27847	21.004	0.26020	0.01626	1.24%	0.26543	0.11908	0.29092	1.26%	0.57%	1.39%	2.4431	0.14723	2.53%
002.08	3	3	20.950	0.21319	20.950	0.21319	0.08704	1.02%	0.19626	0.11775	0.22888	0.94%	0.56%	1.09%	1.9437	0.16087	2.53%
002.10	1		20.735														
002.11	7	7	20.876	1.3384	20.867	1.5016	0.40133	7.20%	1.3373	0.07630	1.3395	6.41%	0.37%	6.42%	17.556	0.09286	2.53%
002.99	2	0															
003.00	16	15	4.9827	0.26948	5.0006	0.30434	0.05380	6.09%	0.25965	0.10201	0.27897	5.21%	2.05%	5.60%	2.7346	0.13537	3.14%
003.01	2	0															
003.06	19	16	4.9299	0.23012	4.9394	0.10692	0.01782	2.16%	0.22552	0.06474	0.23463	4.57%	1.31%	4.76%	3.6239	0.07778	3.15%
003.09	21	20	4.9388	0.21352	4.9589	0.15244	0.02410	3.07%	0.20944	0.05868	0.21751	4.24%	1.19%	4.40%	3.7068	0.06042	3.14%
003.10	27	24	4.9324	0.14290	4.9518	0.15647	0.02170	3.16%	0.13691	0.05792	0.14865	2.78%	1.17%	3.01%	2.5666	0.08229	3.14%
003.11	5	5	5.4130	0.52722	5.4130	0.52722	0.16672	9.74%	0.52580	0.05468	0.52863	9.71%	1.01%	9.77%	9.6676	0.06200	3.10%
003.12	7	6	4.9423	0.07978	4.9234	0.10017	0.02677	2.03%	0.07635	0.03272	0.08306	1.54%	0.66%	1.68%	2.5385	0.05243	3.15%
003.13	10	9	4.9629	0.24913	5.0073	0.31040	0.06941	6.20%	0.23067	0.13312	0.26632	4.65%	2.68%	5.37%	2.0007	0.14880	3.14%
003.14	40	38	4.7247	0.38670	4.7399	0.34807	0.03941	7.34%	0.37965	0.10399	0.39363	8.04%	2.20%	8.33%	3.7852	0.10667	3.16%
003.99	4	3	5.2700	0.15500	124.83	239.12	84.540	191.56%	0.15365	0.02887	0.15634	2.92%	0.55%	2.97%	5.4157	0.27000	1.93%
004.00	24	21	1.9941	0.20269	1.9587	0.13628	0.02009	6.96%	0.19675	0.06891	0.20846	9.87%	3.46%	10.45%	3.0252	0.08014	3.61%
004.01	1		1.8700														
004.03	5	5	1.9750	0.44293	1.9750	0.44293	0.14007	22.43%	0.43931	0.07994	0.44652	22.24%	4.05%	22.61%	5.5859	0.08200	3.61%
004.06	31	28	2.0710	0.25147	2.0595	0.28224	0.03644	13.70%	0.24461	0.08251	0.25815	11.81%	3.98%	12.47%	3.1287	0.08609	3.59%

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004.07	58	53	1.8126	0.27376	1.8334	0.27742	0.02598	15.13%	0.26654	0.08829	0.28078	14.70%	4.87%	15.49%	3.1802	0.11047	3.65%
004.11	5	4	2.2875	0.40138	3.4410	2.6026	0.82302	75.64%	0.39840	0.06910	0.40435	17.42%	3.02%	17.68%	5.8515	0.11000	3.32%
004.99	4	3	0.99333	0.87157	1.3241	0.97162	0.34352	73.38%	0.87149	0.01633	0.87165	87.73%	1.64%	87.75%	53.377	0.07510	3.83%
005.00	102	93	6.8976	0.16089	6.9022	0.15145	0.01082	2.19%	0.15727	0.04798	0.16443	2.28%	0.70%	2.38%	3.4270	0.05989	2.99%
005.01	1		6.6550														
005.02	1		7.0800														
005.05	27	25	7.0371	0.08423	7.0264	0.07533	0.01025	1.07%	0.07729	0.04735	0.09064	1.10%	0.67%	1.29%	1.9142	0.05111	2.98%
005.11	6	6	7.0333	1.0525	7.0092	0.74567	0.21526	10.64%	1.0508	0.08347	1.0541	14.94%	1.19%	14.99%	12.629	0.09000	2.98%
005.99	10	8	7.0594	0.05590	7.0464	0.07391	0.01742	1.05%		0.08012			1.13%		0.07889	2.98%	
006.00	2	0															
006.01	2	0															
006.99	5	5	14.158	1.2134	14.158	1.2134	0.38372	8.57%	1.1629	0.49004	1.2619	8.21%	3.46%	8.91%	2.5752	0.50400	2.68%
008.02	13	10	3.3945	0.67732	3.3138	0.66696	0.13614	20.13%	0.67373	0.09841	0.68088	19.85%	2.90%	20.06%	6.9192	0.16985	3.34%
008.05	1		3.4000														
008.08	39	37	2.9997	0.64659	2.9799	0.60678	0.06960	20.36%	0.63162	0.19565	0.66123	21.06%	6.52%	22.04%	3.3797	0.19326	3.39%
008.99	2	0															
009.04	1		9.7650														
009.07	7	7	7.0896	1.1204	7.0792	1.2531	0.33490	17.70%	1.1087	0.22875	1.1320	15.64%	3.23%	15.97%	4.9487	0.27341	2.98%
009.09	37	33	6.8578	0.86215	6.9487	0.95407	0.11244	13.73%	0.84314	0.25459	0.88074	12.29%	3.71%	12.84%	3.4595	0.32586	2.99%
009.99	3	3	7.2300	2.1322	7.2300	2.1322	0.87048	29.49%	2.0994	0.52729	2.1646	29.04%	7.29%	29.94%	4.1051	0.64000	2.97%
010.03	3	3	10.387	0.22385	10.387	0.22385	0.09139	2.16%		0.32634			3.14%		0.44000	2.81%	
010.11	6	5	9.7970	0.31907	9.7970	0.31907	0.10090	3.26%	0.31792	0.03834	0.32022	3.25%	0.39%	3.27%	8.3521	0.05000	2.84%
010.99	9	9	9.9721	0.66722	9.8956	0.60658	0.14297	6.13%	0.65846	0.15239	0.67587	6.60%	1.53%	6.78%	4.4351	0.15578	2.83%
011.01	73	65	10.989	0.29415	10.989	0.35440	0.02953	3.22%	0.28302	0.11337	0.30488	2.58%	1.03%	2.77%	2.6893	0.13083	2.79%
011.02	3	3	14.233	5.3598	14.233	5.3598	2.1881	37.66%	5.3593	0.09713	5.3602	37.65%	0.68%	37.66%	55.189	0.10667	2.68%
011.03	2	0															
011.99	2	0															
012.00	13	13	31.962	2.1235	31.381	1.0656	0.20899	3.40%	2.1208	0.15259	2.1263	6.64%	0.48%	6.65%	13.934	0.16769	2.38%
012.01	6	5	28.409	0.74658	28.107	0.83185	0.24014	2.96%	0.60139	0.62564	0.86781	2.12%	2.20%	3.05%	1.3871	1.2388	2.42%
012.02	1		31.550														
012.03	5	5	28.924	2.7169	28.924	2.7169	0.85917	9.39%	2.7069	0.32994	2.7269	9.36%	1.14%	9.43%	8.2650	0.38000	2.41%
012.04	5	4	29.230	1.7741	29.392	1.5786	0.49920	5.37%	1.7727	0.10263	1.7756	6.06%	0.35%	6.07%	17.302	0.27280	2.40%
012.11	6	6	29.087	3.3885	28.910	3.4453	0.99456	11.92%	3.3860	0.18348	3.3910	11.64%	0.63%	11.66%	18.481	0.23333	2.41%
012.99	1		30.200														
013.00	23	22	5.8039	0.53932	5.7817	0.46173	0.06808	7.99%	0.53290	0.11729	0.54566	9.18%	2.02%	9.40%	4.6522	0.13783	3.07%
013.02	23	21	6.2767	0.35540	6.2411	0.34291	0.05056	5.49%	0.34669	0.11058	0.36390	5.52%	1.76%	5.80%	3.2907	0.12696	3.04%
013.08	1		4.0800														
013.10	8	6	5.6672	0.23687	5.6564	0.28394	0.07098	5.02%	0.22414	0.10836	0.24896	3.96%	1.91%	4.39%	2.2975	0.18250	3.08%
013.12	2	0															
013.13	4	4	6.1200	0.39183	6.1200	0.39183	0.13853	6.40%	0.35395	0.23770	0.42636	5.78%	3.88%	6.97%	1.7937	0.28000	3.05%
014.99	1		9.9400														
015.41	7	6	625.18	96.506	656.75	55.873	16.129	8.51%	96.222	10.455	96.788	15.39%	1.67%	15.48%	9.2578	12.672	6.03%
015.42	1		380.40														

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015.43	7	7	485.24	134.10	485.24	152.07	40.643	31.34%	133.86	11.369	134.34	27.59%	2.34%	27.69%	11.817	14.551	6.31%
015.53	1		741.00														
017.41	2	0															
017.42	5	5	12.458	1.0127	12.458	1.0127	0.32025	8.13%	0.97820	0.37076	1.0461	7.85%	2.98%	8.40%	2.8215	0.36400	10.94%
017.43	6	4	11.921	0.60148	10.337	3.5806	1.1323	34.64%	0.58467	0.19966	0.61782	4.90%	1.67%	5.18%	3.0944	0.17400	11.26%
019.00	19	17	1.0118	0.05825	1.0064	0.06617	0.01103	6.57%	0.05727	0.01507	0.05922	5.66%	1.49%	5.85%	3.9302	0.01865	4.00%
019.02	1		51.000														
019.03	1		1.1348														
019.08	9	8	1.0620	0.07604	1.0494	0.06214	0.01553	5.92%	0.07577	0.00902	0.07631	7.13%	0.85%	7.19%	8.4591	0.00893	3.97%
019.09	1		1.0915														
019.31	30	27	1.0286	0.04687	1.0253	0.03977	0.00522	3.88%	0.04506	0.01826	0.04861	4.38%	1.78%	4.73%	2.6624	0.01956	3.98%
019.32	4	4	1.0454	0.00435	1.0454	0.00435	0.00154	0.42%		0.01066			1.02%			0.01180	3.97%
019.33	1		1.0280														
019.41	38	36	1.0483	0.05133	1.0498	0.04343	0.00505	4.14%	0.04953	0.01904	0.05307	4.73%	1.82%	5.06%	2.7864	0.02229	3.97%
019.42	19	17	1.0301	0.05863	1.0247	0.05014	0.00836	4.89%	0.05757	0.01569	0.05967	5.59%	1.52%	5.79%	3.8031	0.01931	3.99%
019.43	22	22	1.0549	0.06123	1.0492	0.05717	0.00862	5.45%	0.05931	0.02148	0.06308	5.62%	2.04%	5.98%	2.9364	0.02531	3.97%
019.44	1		1.0500														
019.52	2	0															
019.53	1		1.0690														
019.99	6	6	1.0303	0.07802	1.0383	0.07137	0.02060	6.87%	0.07747	0.01299	0.07855	7.52%	1.26%	7.62%	6.0471	0.01750	3.98%
021.00	1		0.48500														
021.31	3	2	1.0250	0.17678	5.0167	6.9149	2.8230	137.84%	0.15811	0.11180	0.19365	15.43%	10.91%	18.89%	1.7321	0.76667	12.55%
021.34	1		1.0500														
021.41	3	2	0.70200	0.21425	0.83793	0.27997	0.11430	33.41%	0.21422	0.00570	0.21429	30.52%	0.81%	30.53%	37.589	0.03853	16.43%
021.42	2	0															
021.43	5	5	0.99243	0.19279	0.99243	0.19279	0.06097	19.43%	0.18834	0.05825	0.19715	18.98%	5.87%	19.86%	3.3843	0.06242	16.01%
021.52	2	0															
021.53	4	4	0.91680	0.24471	0.91680	0.24471	0.08652	26.69%	0.21625	0.16197	0.27018	23.59%	17.67%	29.47%	1.6681	0.18745	16.21%
022.31	18	17	243.94	39.562	253.41	14.481	2.4135	5.71%	39.470	3.8060	39.654	16.18%	1.56%	16.26%	10.419	3.8209	6.95%
022.32	4	3	287.20	11.783	301.40	29.985	10.601	9.95%	11.706	1.8965	11.859	4.08%	0.66%	4.13%	6.2529	22.050	6.78%
022.33	2	0															
022.41	29	27	259.16	22.083	259.19	21.789	2.9117	8.41%	21.639	6.2329	22.519	8.35%	2.41%	8.69%	3.6128	7.3083	6.93%
022.42	17	16	282.44	15.367	282.19	16.537	2.9234	5.86%	14.741	6.1402	15.968	5.22%	2.17%	5.65%	2.6006	5.9138	6.84%
022.43	19	17	269.47	22.129	271.14	16.554	2.7589	6.11%	21.524	7.2709	22.719	7.99%	2.70%	8.43%	3.1246	7.5069	6.88%
022.44	1		275.50														
022.52	1		295.00														
022.53	3	3	275.49	12.125	275.49	12.125	4.9502	4.40%	11.232	6.4598	12.957	4.08%	2.34%	4.70%	2.0058	8.8067	6.87%
022.99	2	0															
023.01	1		20.150														
025.31	21	17	558.39	47.929	550.66	47.930	7.5784	8.70%	47.828	4.3904	48.030	8.57%	0.79%	8.60%	10.940	7.5955	6.19%
025.32	3	3	491.60	67.437	491.60	67.437	27.531	13.72%	66.786	13.212	68.081	13.59%	2.69%	13.85%	5.1529	16.420	6.29%
025.33	1		527.90														
025.41	31	29	547.79	33.651	553.61	25.743	3.2693	4.65%	31.685	16.027	35.508	5.78%	2.93%	6.48%	2.2155	17.640	6.18%

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025.42	16	15	448.04	67.778	445.25	71.509	12.641	16.06%	66.687	17.128	68.852	14.88%	3.82%	15.37%	4.0199	17.035	6.39%
025.43	19	16	494.88	65.220	489.00	76.827	12.805	15.71%	64.742	11.148	65.695	13.08%	2.25%	13.28%	5.8928	12.713	6.30%
025.52	2	0															
025.53	1		517.88														
025.99	2	0															
027.31	14	11	0.16572	0.01441	0.16380	0.00800	0.00157	4.88%	0.01441	0.00037	0.01442	8.70%	0.22%	8.70%	39.434	0.00048	5.25%
027.32	4	3	0.16360	0.00593	0.16604	0.00687	0.00243	4.14%	0.00592	0.00034	0.00593	3.62%	0.21%	3.63%	17.620	0.00128	5.24%
027.33	2	0															
027.41	27	26	0.16867	0.00963	0.16845	0.00910	0.00124	5.40%	0.00917	0.00419	0.01008	5.43%	2.48%	5.98%	2.4058	0.00447	5.23%
027.42	15	12	0.16596	0.01257	0.16678	0.01350	0.00255	8.09%	0.01237	0.00314	0.01276	7.45%	1.89%	7.69%	4.0597	0.00529	5.24%
027.43	17	15	0.16553	0.01075	0.16471	0.01180	0.00209	7.16%	0.01050	0.00328	0.01100	6.34%	1.98%	6.64%	3.3569	0.00350	5.25%
027.44	1		0.16200														
027.52	1		0.14955														
027.53	1		0.16260														
027.99	3	2	0.17000	0.01414	0.15500	0.02784	0.01137	17.96%	0.01414	0.00000	0.01414	8.32%	0.00%	8.32%		0.00333	5.30%
028.31	17	14	58.376	2.3211	57.856	2.9510	0.52167	5.10%	2.0932	1.4187	2.5287	3.59%	2.43%	4.33%	1.7823	1.6470	8.69%
028.32	3	3	64.012	2.3491	64.012	2.3491	0.95901	3.67%	0.87914	3.0807	3.2037	1.37%	4.81%	5.00%	1.0399	3.9633	8.55%
028.33	2	0															
028.41	30	27	58.360	3.2786	58.377	3.0863	0.39843	5.29%	3.1397	1.3353	3.4118	5.38%	2.29%	5.85%	2.5552	1.6270	8.67%
028.42	18	18	59.563	3.6010	59.831	3.4715	0.57858	5.80%	3.2655	2.1464	3.9078	5.48%	3.60%	6.56%	1.8206	2.1267	8.64%
028.43	18	16	58.121	4.4794	58.231	3.2238	0.55287	5.54%	4.3930	1.2384	4.5642	7.56%	2.13%	7.85%	3.6856	1.2637	8.68%
028.44	2	0															
028.52	1		55.000														
028.53	2	0															
028.99	2	0															
031.00	2	0															
031.01	54	50	0.71708	0.03997	0.71485	0.01924	0.00187	2.69%	0.03941	0.00946	0.04053	5.50%	1.32%	5.65%	4.2843	0.01070	4.21%
031.02	5	4	0.71458	0.00712	0.70766	0.01665	0.00526	2.35%	0.00661	0.00376	0.00760	0.92%	0.53%	1.06%	2.0229	0.01472	4.21%
031.03	4	3	0.69300	0.01473	0.70320	0.02368	0.00837	3.37%	0.01473	0.00000	0.01473	2.13%	0.00%	2.13%		0.00075	4.22%
031.06	2	0															
031.41	36	34	0.71408	0.03015	0.71265	0.02637	0.00311	3.70%	0.02883	0.01247	0.03142	4.04%	1.75%	4.40%	2.5188	0.01489	4.21%
031.42	20	20	0.68665	0.03280	0.68845	0.03080	0.00487	4.47%	0.02875	0.02232	0.03640	4.19%	3.25%	5.30%	1.6310	0.02304	4.23%
031.43	21	20	0.71272	0.04656	0.70779	0.03485	0.00538	4.92%	0.04551	0.01388	0.04758	6.39%	1.95%	6.68%	3.4269	0.01619	4.21%
031.44	1		0.70450														
031.52	1		0.61555														
031.53	2	0															
031.99	5	5	0.68600	0.04533	0.68600	0.04533	0.01434	6.61%	0.04511	0.00632	0.04555	6.58%	0.92%	6.64%	7.2024	0.00800	4.23%
032.02	1		1.0915														
032.08	1		1.2060														
032.31	19	17	1.1161	0.15190	1.1499	0.07059	0.01176	6.14%	0.15151	0.01541	0.15229	13.57%	1.38%	13.64%	9.8847	0.01427	3.92%
032.32	2	0															
032.41	27	24	1.1589	0.06406	1.1522	0.05624	0.00780	4.88%	0.06149	0.02539	0.06653	5.31%	2.19%	5.74%	2.6202	0.02924	3.92%
032.42	17	15	1.1381	0.10911	1.1375	0.07502	0.01326	6.59%	0.10793	0.02265	0.11028	9.48%	1.99%	9.69%	4.8692	0.03459	3.92%

Method Code	Total # Labs Submitting	# Labs Included In Method 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
032.43	18	18	1.1595	0.06585	1.1541	0.06268	0.01045	5.43%	0.06457	0.01828	0.06710	5.57%	1.58%	5.79%	3.6717	0.02008	3.91%
032.44	1		1.1600														
032.52	1		1.0347														
032.53	2	0															
032.99	3	3	1.0833	0.09815	1.0833	0.09815	0.04007	9.06%	0.09781	0.01155	0.09849	9.03%	1.07%	9.09%	8.5294	0.01333	3.95%
033.00	28	26	0.52712	0.02574	0.52873	0.02380	0.00318	4.50%	0.02495	0.00898	0.02651	4.73%	1.70%	5.03%	2.9531	0.01024	4.40%
033.01	37	35	0.57683	0.03090	0.57713	0.02637	0.00311	4.57%	0.03014	0.00964	0.03165	5.23%	1.67%	5.49%	3.2817	0.01054	4.34%
033.03	6	6	0.54500	0.03924	0.54167	0.03543	0.01023	6.54%	0.03626	0.02121	0.04201	6.65%	3.89%	7.71%	1.9805	0.02667	4.39%
033.05	4	4	0.60488	0.05828	0.60488	0.05828	0.02061	9.64%	0.05758	0.01275	0.05897	9.52%	2.11%	9.75%	4.6246	0.01275	4.31%
033.99	7	5	0.55630	0.17860	0.56505	0.17231	0.04974	30.50%	0.17828	0.01518	0.17893	32.05%	2.73%	32.16%	11.785	0.02817	4.36%
034.01	2	0															
034.04	7	6	0.55492	0.04001	0.55733	0.03111	0.00898	5.58%	0.03910	0.01200	0.04090	7.05%	2.16%	7.37%	3.4076	0.01117	17.47%
034.41	1		0.07750														
034.42	1		0.00000														
034.43	1		0.60615														
034.52	3	2	0.70250	0.11667	0.70333	0.08251	0.03369	11.73%	0.11662	0.00500	0.11673	16.60%	0.71%	16.62%	23.345	0.03333	16.87%
034.53	7	5	0.76400	0.36451	0.68527	0.22964	0.06629	33.51%	0.36437	0.01403	0.36464	47.69%	1.84%	47.73%	25.987	0.02790	16.93%
034.99	2	0															
035.01	3	3	0.18367	0.03680	0.18367	0.03680	0.01502	20.04%	0.03673	0.00321	0.03687	20.00%	1.75%	20.07%	11.469	0.00400	5.16%
035.05	4	4	0.16250	0.01848	0.16250	0.01848	0.00654	11.37%	0.01814	0.00500	0.01882	11.16%	3.08%	11.58%	3.7639	0.00500	5.26%
035.31	22	19	0.15983	0.02619	0.16258	0.02232	0.00344	13.73%	0.02600	0.00445	0.02638	16.27%	2.78%	16.50%	5.9315	0.00530	5.26%
035.32	3	3	0.14597	0.02812	0.14597	0.02812	0.01148	19.26%	0.02810	0.00123	0.02813	19.25%	0.85%	19.27%	22.793	0.00140	5.34%
035.41	35	34	0.15797	0.01037	0.15832	0.01138	0.00136	7.19%	0.00964	0.00542	0.01106	6.10%	3.43%	7.00%	2.0389	0.00543	5.28%
035.42	17	16	0.15295	0.01046	0.15307	0.00763	0.00135	4.99%	0.01016	0.00352	0.01075	6.64%	2.30%	7.03%	3.0561	0.00377	5.31%
035.43	15	14	0.15490	0.00973	0.15619	0.01205	0.00220	7.72%	0.00929	0.00411	0.01016	6.00%	2.65%	6.56%	2.4704	0.00477	5.29%
035.52	1		0.13825														
035.53	2	0															
035.99	4	3	0.26667	0.18475	0.42625	0.35302	0.12481	82.82%	0.18475	0.00000	0.18475	69.28%	0.00%	69.28%		0.00250	4.55%
036.00	1		0.03300														
036.04	5	5	0.25592	0.02403	0.25592	0.02403	0.00760	9.39%	0.02352	0.00696	0.02452	9.19%	2.72%	9.58%	3.5229	0.00984	4.91%
036.42	18	17	0.25174	0.02325	0.25057	0.02079	0.00357	8.30%	0.02302	0.00459	0.02348	9.15%	1.82%	9.33%	5.1135	0.00469	4.93%
036.43	8	7	0.26371	0.01474	0.25863	0.01696	0.00424	6.56%	0.01433	0.00490	0.01514	5.43%	1.86%	5.74%	3.0906	0.00450	4.90%
036.99	2	0															
037.31	20	17	2,584.9	168.10	2,619.3	124.28	20.161	4.74%	167.00	27.208	169.20	6.46%	1.05%	6.55%	6.2188	29.303	4.89%
037.32	5	5	2,696.1	213.83	2,696.1	213.83	67.620	7.93%	212.73	30.700	214.93	7.89%	1.14%	7.97%	7.0010	33.000	4.87%
037.33	2	0															
037.41	32	29	2,731.5	187.13	2,717.1	185.97	23.618	6.84%	182.39	59.233	191.76	6.68%	2.17%	7.02%	3.2374	85.159	4.87%
037.42	16	15	2,720.6	123.31	2,705.4	151.58	26.796	5.60%	97.754	106.29	144.41	3.59%	3.91%	5.31%	1.3586	93.785	4.87%
037.43	21	18	2,769.4	380.96	2,677.6	245.91	38.881	9.18%	379.36	49.307	382.55	13.70%	1.78%	13.81%	7.7586	57.003	4.88%
037.44	1		2,760.0														
037.52	2	0															
037.53	2	0															
037.99	3	3	2,426.3	521.68	2,426.3	521.68	212.97	21.50%	521.41	23.735	521.95	21.49%	0.98%	21.51%	21.991	26.000	4.95%

Method Code	Total # Labs Submitting	# Labs Included in Method 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
038.34	1		1.9550														
038.41	2	0															
038.42	4	4	1.4119	0.56321	1.4119	0.56321	0.19912	39.89%	0.55226	0.15633	0.57396	39.12%	11.07%	40.65%	3.6715	0.17725	15.19%
038.43	7	6	1.2233	0.27040	1.2796	0.24485	0.06544	19.13%	0.26459	0.07884	0.27609	21.63%	6.45%	22.57%	3.5018	0.14227	15.41%
038.52	2	0															
038.53	4	4	1.4748	0.11543	1.4748	0.11543	0.04081	7.83%	0.10899	0.05375	0.12153	7.39%	3.64%	8.24%	2.2609	0.05890	15.09%
040.42	1		3.4400														
040.52	1		3.4500														
040.53	1		3.2701														
041.43	1		1.3300														
041.53	1		1.7200														
042.00	2	0															
051.00	7	7	78.395	14.179	76.903	11.697	3.1260	15.21%	14.139	1.5067	14.219	18.04%	1.92%	18.14%	9.4377	1.5816	8.32%
051.03	7	7	87.336	23.949	82.484	18.531	4.9526	22.47%	23.630	5.5033	24.263	27.06%	6.30%	27.78%	4.4088	6.8714	8.23%
057.01	1		4.7350														
074.00	2	0															
074.02	1		8.1000														
082.00	1		112.00														
082.01	8	7	86.276	15.041	80.455	14.087	3.5219	17.51%	14.980	1.9116	15.102	17.36%	2.22%	17.50%	7.8999	1.8713	8.27%
101.01	2	0															
101.02	1		0.0000														
102.00	1		0.0000														
102.01	1		67.750														
103.01	1		31.900														
104.00	2	0															
104.03	2	0															
105.00	2	0															
106.00	1		2.5550														
106.01	1		2.8450														
106.02	16	13	1.8539	1.0328	2.0978	1.0090	0.18422	48.10%	1.0294	0.11731	1.0361	55.53%	6.33%	55.89%	8.8322	0.14083	35.93%
107.00	1		70.650														
108.01	1		0.93000														
108.02	4	3	0.64167	0.75257	1.3800	1.5994	0.56548	115.90%	0.75134	0.06069	0.75379	117.09%	9.46%	117.47%	12.420	0.17500	38.27%
108.99	1		1.0500														
109.02	15	15	49.543	15.464	49.550	14.510	2.6491	29.28%	15.444	1.1116	15.484	31.17%	2.24%	31.25%	13.929	1.1756	8.89%
109.99	1		36.150														
111.00	1		0.00000														
112.00	1		0.00000														
113.01	1		1.7300														
114.01	1		0.38350														
120.00	15	13	1.0563	0.02587	1.0556	0.02375	0.00449	2.25%	0.02507	0.00901	0.02664	2.37%	0.85%	2.52%	2.9567	0.01201	3.97%
120.01	3	3	1.0580	0.00726	1.0580	0.00726	0.00297	0.69%		0.01643			1.55%			0.01947	3.97%
120.02	2	0															

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120.05	6	5	1.0206	0.00911	1.0166	0.01112	0.00321	1.09%		0.01951			1.91%			0.01900	3.99%
120.99	1		1.1550														
121.00	16	15	1.2875	0.04504	1.2874	0.04613	0.00842	3.58%	0.04351	0.01650	0.04653	3.38%	1.28%	3.61%	2.8200	0.01721	3.85%
121.01	3	3	1.3687	0.05833	1.3687	0.05833	0.02381	4.26%		0.11881			8.68%			0.13027	3.82%
121.02	2	0															
121.05	6	5	1.2370	0.06832	1.2370	0.06832	0.02160	5.52%	0.06325	0.03650	0.07303	5.11%	2.95%	5.90%	2.0009	0.03760	3.87%
121.99	1		1.5900														
122.00	15	15	2.1006	0.05767	2.0890	0.02167	0.00396	1.04%	0.05507	0.02422	0.06016	2.62%	1.15%	2.86%	2.4838	0.02704	3.58%
122.01	4	4	2.1686	0.08364	2.1686	0.08364	0.02957	3.86%	0.07349	0.05647	0.09268	3.39%	2.60%	4.27%	1.6412	0.06700	3.56%
122.02	2	0															
122.05	6	6	2.0559	0.07310	2.0559	0.08290	0.02393	4.03%	0.06653	0.04286	0.07914	3.24%	2.08%	3.85%	1.8465	0.05150	3.59%
122.99	1		1.7250														
124.00	15	13	0.31128	0.02125	0.31200	0.02172	0.00410	6.96%	0.02105	0.00411	0.02144	6.76%	1.32%	6.89%	5.2114	0.00525	4.77%
124.01	2	0															
124.02	2	0															
124.05	4	4	0.28825	0.06632	0.28825	0.06632	0.02345	23.01%	0.06574	0.01239	0.06690	22.81%	4.30%	23.21%	5.3998	0.01250	4.82%
124.99	2	0															
125.00	15	13	3.5997	0.11907	3.5859	0.06413	0.01212	1.79%	0.11785	0.02399	0.12027	3.27%	0.67%	3.34%	5.0133	0.03110	3.30%
125.01	4	3	3.9035	0.12006	3.7313	0.35791	0.12654	9.59%	0.11431	0.05192	0.12555	2.93%	1.33%	3.22%	2.4182	0.24478	3.28%
125.02	2	0															
125.05	6	6	3.4583	0.16561	3.4448	0.15655	0.04519	4.54%	0.16152	0.05176	0.16961	4.67%	1.50%	4.90%	3.2770	0.06600	3.32%
125.99	1		3.7700														
126.00	15	15	0.92201	0.02323	0.92172	0.02579	0.00471	2.80%	0.02199	0.01059	0.02441	2.39%	1.15%	2.65%	2.3056	0.01098	4.05%
126.01	4	3	0.92072	0.01544	0.98929	0.13772	0.04869	13.92%	0.01333	0.01102	0.01729	1.45%	1.20%	1.88%	1.5692	0.01833	4.01%
126.02	2	0															
126.05	6	6	0.92592	0.04444	0.92592	0.05039	0.01455	5.44%	0.04093	0.02449	0.04769	4.42%	2.64%	5.15%	1.9477	0.03017	4.05%
126.99	1		1.0000														
127.00	16	13	0.51319	0.01183	0.51641	0.01488	0.00272	2.88%	0.01124	0.00520	0.01239	2.19%	1.01%	2.41%	2.3831	0.00962	4.42%
127.01	2	0															
127.02	2	0															
127.05	6	6	0.51242	0.02214	0.51242	0.02510	0.00725	4.90%	0.00520	0.03043	0.03087	1.01%	5.94%	6.02%	1.0145	0.03183	4.42%
127.99	1		0.50000														
128.00	15	13	0.88479	0.02220	0.89007	0.02641	0.00482	2.97%	0.02135	0.00859	0.02301	2.41%	0.97%	2.60%	2.6779	0.01103	4.07%
128.01	4	4	0.93430	0.07743	0.93430	0.07743	0.02738	8.29%	0.07700	0.01156	0.07786	8.24%	1.24%	8.33%	6.7372	0.01290	4.04%
128.02	2	0															
128.05	6	6	0.87925	0.05124	0.88581	0.04359	0.01258	4.92%	0.05070	0.01049	0.05177	5.77%	1.19%	5.89%	4.9345	0.01250	4.07%
128.99	1		0.94000														
129.00	15	13	1.7042	0.04291	1.7076	0.04082	0.00771	2.39%	0.04268	0.00637	0.04315	2.50%	0.37%	2.53%	6.7736	0.00959	3.69%
129.01	4	3	1.7562	0.04305	1.5272	0.45945	0.16244	30.09%	0.03288	0.03930	0.05124	1.87%	2.24%	2.92%	1.3038	0.04380	3.75%
129.02	2	0															
129.05	6	6	1.6719	0.05650	1.6778	0.03697	0.01067	2.20%	0.05503	0.01815	0.05794	3.29%	1.09%	3.47%	3.1925	0.02317	3.70%
129.99	1		1.7200														
130.00	16	15	1.2705	0.03569	1.2699	0.03201	0.00584	2.52%	0.03379	0.01627	0.03750	2.66%	1.28%	2.95%	2.3053	0.01919	3.86%

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130.01	4	4	1.2951	0.11467	1.2951	0.11467	0.04054	8.85%	0.11260	0.03066	0.11671	8.69%	2.37%	9.01%	3.8059	0.03713	3.85%
130.02	2	0															
130.05	8	8	1.2780	0.06856	1.2800	0.05710	0.01428	4.46%	0.06279	0.03893	0.07388	4.91%	3.05%	5.78%	1.8977	0.04800	3.85%
130.99	3	3	1.2783	0.08129	1.2783	0.08129	0.03319	6.36%	0.07506	0.04416	0.08708	5.87%	3.45%	6.81%	1.9720	0.05000	3.85%
131.00	15	14	0.35384	0.01686	0.35437	0.01826	0.00333	5.15%	0.01633	0.00594	0.01737	4.61%	1.68%	4.91%	2.9242	0.00795	4.68%
131.01	3	2	0.44000	0.07071	0.40950	0.07274	0.02969	17.76%	0.07071	0.00000	0.07071	16.07%	0.00%	16.07%		0.00300	4.57%
131.02	2	0															
131.05	5	5	0.32780	0.03840	0.32780	0.03840	0.01214	11.71%	0.03790	0.00872	0.03889	11.56%	2.66%	11.86%	4.4606	0.01040	4.73%
131.99	2	0															
132.00	16	14	0.94473	0.03749	0.94361	0.03593	0.00656	3.81%	0.03697	0.00884	0.03801	3.91%	0.94%	4.02%	4.2985	0.01087	4.03%
132.01	3	3	0.98623	0.03567	0.98623	0.03567	0.01456	3.62%	0.02183	0.03989	0.04547	2.21%	4.04%	4.61%	1.1399	0.04480	4.01%
132.02	2	0															
132.05	6	6	0.94300	0.03703	0.94300	0.04199	0.01212	4.45%	0.03102	0.02860	0.04219	3.29%	3.03%	4.47%	1.4751	0.02900	4.04%
132.99	1		0.96500														
133.00	15	13	1.1494	0.04108	1.1557	0.04677	0.00884	4.05%	0.03484	0.03078	0.04649	3.03%	2.68%	4.04%	1.5104	0.03719	3.91%
133.05	6	6	1.1558	0.02994	1.1505	0.02170	0.00626	1.89%	0.02727	0.01747	0.03239	2.36%	1.51%	2.80%	1.8542	0.02083	3.92%
133.99	3	3	1.2300	0.06083	1.2300	0.06083	0.02483	4.95%		0.11576			9.41%			0.11333	3.88%
134.00	15	14	0.99705	0.04095	0.98508	0.03325	0.00607	3.38%	0.03914	0.01706	0.04269	3.93%	1.71%	4.28%	2.5031	0.01789	4.01%
134.01	4	4	1.0453	0.04173	1.0453	0.04173	0.01475	3.99%	0.03853	0.02264	0.04469	3.69%	2.17%	4.28%	1.9740	0.02275	3.97%
134.02	2	0															
134.05	6	6	0.96675	0.04957	0.96675	0.05621	0.01623	5.81%	0.04387	0.03262	0.05467	4.54%	3.37%	5.65%	1.6762	0.03817	4.02%
134.99	1		1.0650														
135.00	15	14	0.84322	0.02613	0.84397	0.02603	0.00475	3.08%	0.02416	0.01409	0.02797	2.87%	1.67%	3.32%	1.9848	0.01615	4.10%
135.01	2	0															
135.02	2	0															
135.05	6	6	0.81658	0.04225	0.81822	0.04438	0.01281	5.42%	0.03982	0.01995	0.04454	4.88%	2.44%	5.45%	2.2324	0.02250	4.12%
135.99	1		0.83000														
136.00	4	4	0.25085	0.03906	0.25085	0.03906	0.01381	15.57%	0.03892	0.00476	0.03921	15.51%	1.90%	15.63%	8.2438	0.00590	4.93%
136.01	7	6	0.24850	0.02462	0.25291	0.01760	0.00508	6.96%	0.02437	0.00493	0.02486	9.81%	1.99%	10.00%	5.0398	0.00567	4.92%
136.02	2	0															
136.03	3	2	0.24950	0.01485	0.25183	0.01125	0.00459	4.47%	0.01485	0.00000	0.01485	5.95%	0.00%	5.95%		0.00033	4.92%
136.99	2	0															
137.00	10	9	0.66302	0.03486	0.65596	0.04504	0.01007	6.87%	0.03410	0.01024	0.03560	5.14%	1.55%	5.37%	3.4753	0.01485	4.26%
137.01	2	0															
137.02	2	0															
137.05	6	6	0.57292	0.08557	0.57292	0.09703	0.02801	16.94%	0.08174	0.03577	0.08923	14.27%	6.24%	15.57%	2.4944	0.04417	4.35%
137.99	1		0.74000														
138.00	16	15	0.96555	0.04092	0.96761	0.02855	0.00521	2.95%	0.04037	0.00951	0.04147	4.18%	0.98%	4.29%	4.3610	0.01136	4.02%
138.01	3	3	1.0820	0.08489	1.0820	0.08489	0.03466	7.85%	0.08113	0.03537	0.08850	7.50%	3.27%	8.18%	2.5024	0.04433	3.95%
138.02	2	0															
138.05	6	6	0.97617	0.08712	0.98204	0.08545	0.02467	8.70%	0.08654	0.01412	0.08769	8.87%	1.45%	8.98%	6.2081	0.01633	4.01%
138.99	1		1.0450														
139.00	1		0.03000														

Method Code	Total # Labs Submitting	# Labs Included In Method 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
139.02	2	0															
139.99	1		0.02500														
160.99	5	4	0.16313	0.03998	0.18050	0.05204	0.01646	28.83%	0.03960	0.00769	0.04034	24.28%	4.71%	24.73%	5.2468	0.02300	5.18%
161.99	2	0															
162.99	6	6	0.38492	0.25477	0.29980	0.13384	0.03864	44.64%	0.25318	0.04019	0.25635	65.78%	10.44%	66.60%	6.3787	0.03850	4.79%
163.99	7	5	9.8420	0.32921	9.9922	0.53432	0.15424	5.35%	0.32254	0.09327	0.33576	3.28%	0.95%	3.41%	3.5997	0.10500	2.83%
164.99	6	6	0.44417	0.39945	0.37107	0.33016	0.09531	88.97%	0.39903	0.02598	0.39988	89.84%	5.85%	90.03%	15.391	0.02833	4.64%
165.99	7	6	2.0567	0.12115	2.0864	0.13319	0.03560	6.38%	0.10871	0.07561	0.13242	5.29%	3.68%	6.44%	1.7514	0.07500	3.58%
166.99	1		0.50500														
167.99	1		1.5930														
200.99	1		0.01000														
210.99	1		1.9850														
351.04	1		125.00														
357.01	1		6,975.0														
357.99	1		5,500.0														
400.01	3	2	0.63850	0.00212	0.60740	0.05389	0.02200	8.87%	0.00200	0.00100	0.00224	0.31%	0.16%	0.35%	2.2361	0.06553	#DIV/0!
516.00	3	3	0.29185	0.08463	0.29185	0.08463	0.03455	29.00%	0.08451	0.00637	0.08475	28.96%	2.18%	29.04%	13.307	0.00897	19.25%
516.34	1		0.00000														
516.42	1		0.12450														
516.43	1		0.44000														
516.52	2	0															
516.53	6	5	0.44034	0.14389	0.46853	0.16563	0.04781	35.35%	0.14139	0.03773	0.14634	32.11%	8.57%	33.23%	3.8783	0.08340	17.93%
518.34	4	4	0.36850	0.26694	0.36850	0.26694	0.09438	72.44%	0.26643	0.02346	0.26746	72.30%	6.37%	72.58%	11.399	0.02550	18.59%
518.41	4	3	0.17533	0.01361	0.16013	0.03238	0.01145	20.22%	0.01342	0.00327	0.01381	7.65%	1.86%	7.88%	4.2279	0.01175	21.07%
518.43	2	0															
518.52	2	0															
518.53	6	5	0.19822	0.00743	0.20152	0.00626	0.00181	3.11%	0.00165	0.01024	0.01037	0.83%	5.16%	5.23%	1.0130	0.01977	20.36%
520.31	1		1.0000														
520.34	1		0.56500														
520.41	3	3	2.9750	1.5210	2.9750	1.5210	0.62096	51.13%	1.5163	0.17034	1.5258	50.97%	5.73%	51.29%	8.9572	0.23667	13.58%
520.43	4	4	4.1726	0.47879	4.1726	0.47879	0.16928	11.47%	0.43554	0.28124	0.51845	10.44%	6.74%	12.43%	1.8434	0.27220	12.90%
520.52	1		0.46000														
520.53	4	4	3.3462	0.83640	3.3462	0.83640	0.29571	25.00%	0.63696	0.76660	0.99669	19.04%	22.91%	29.79%	1.3002	0.79488	13.34%
520.99	1		3.7450														
526.31	2	0															
526.33	1		0.49000														
526.34	3	2	0.29638	0.21726	0.73425	0.77382	0.31591	105.39%	0.21707	0.01275	0.21745	73.24%	4.30%	73.37%	17.055	0.10850	16.76%
526.41	1		0.00000														
526.43	2	0															
526.52	2	0															
526.53	6	5	0.84003	0.07730	0.84003	0.07730	0.02444	9.20%	0.06513	0.05887	0.08779	7.75%	7.01%	10.45%	1.4913	0.06426	16.42%
529.00	1		0.00000														
529.99	4	3	9.0400	0.44136	6.7800	4.5343	1.6031	66.88%		1.4821			16.39%			1.4650	11.99%

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539.41	2	0															
539.43	2	0															
539.52	1		2.0500														
539.53	3	3	2.6605	0.38183	2.6605	0.38183	0.15588	14.35%	0.36992	0.13381	0.39338	13.90%	5.03%	14.79%	2.9399	0.15263	13.81%
600.01	3	3	1.6200	1.3074												1.0667	
600.03	1		0.00000														
600.20	1		0.00000														
610.01	2	0															
620.04	1		4,250.0														
640.01	1		88.600														
650.01	2	0															