

AAFCO Check Sample Program

All Methods Report

Sort by Method

Proficiency For Individual Methods

Sample # 201422

Swine Grower, Medicated



AAFCO

Check Sample Program

Issue Date : 03/31/2014

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 %s/sd	Reproducibility %RSD	sR/sr	Average Range (R-bar)	Horwitz %RSD
000.99	1		0.01300														
001.00	3	3	9.0633	1.3709	9.0633	1.3709	0.55968	15.13%	1.3702	0.06322	1.3717	15.12%	0.70%	15.13%	21.695	0.07600	2.87%
001.03	8	6	9.7850	0.13293	9.7156	0.19794	0.04949	2.04%	0.13230	0.01826	0.13355	1.35%	0.19%	1.36%	7.3151	0.02375	2.84%
001.05	1		9.7000														
001.07	30	26	9.5807	0.51492	9.6427	0.36410	0.04866	3.78%	0.51265	0.06817	0.51717	5.35%	0.71%	5.40%	7.5867	0.08514	2.84%
001.08	2	0															
001.99	9	8	9.5106	0.42203	9.4016	0.58129	0.13701	6.18%	0.41376	0.11755	0.43014	4.35%	1.24%	4.52%	3.6591	0.12778	2.85%
002.00	5	4	17.475	0.46571	17.401	0.43594	0.13786	2.51%	0.45661	0.12952	0.47463	2.61%	0.74%	2.72%	3.6646	0.29800	2.60%
002.01	11	10	17.246	0.20426	17.297	0.20823	0.04440	1.20%	0.20350	0.02501	0.20503	1.18%	0.15%	1.19%	8.1972	0.02655	2.60%
002.02	4	4	17.140	0.17480	17.140	0.17480	0.06180	1.02%	0.16878	0.06432	0.18063	0.98%	0.38%	1.05%	2.8081	0.07820	2.61%
002.04	3	3	16.893	0.85294	16.893	0.85294	0.34821	5.05%	0.84354	0.17861	0.86224	4.99%	1.06%	5.10%	4.8276	0.20667	2.61%
002.05	26	23	17.335	0.21672	17.314	0.17927	0.02535	1.04%	0.21512	0.03719	0.21831	1.24%	0.21%	1.26%	5.8696	0.04124	2.60%
002.06	99	89	17.512	0.22711	17.512	0.20000	0.01451	1.14%	0.21689	0.09526	0.23689	1.24%	0.54%	1.35%	2.4867	0.12036	2.60%
002.08	1		17.550														
002.10	1		17.500														
002.11	4	4	18.773	0.57963	18.773	0.57963	0.20493	3.09%	0.57492	0.10428	0.58431	3.06%	0.56%	3.11%	5.6031	0.14000	2.57%
002.99	1		17.975														
003.00	13	12	3.5995	0.25282	3.5453	0.25599	0.05020	7.22%	0.24820	0.06801	0.25735	6.90%	1.89%	7.15%	3.7841	0.08058	3.31%
003.01	1		3.5400														
003.06	14	13	3.3738	0.21840	3.3989	0.11322	0.02140	3.33%	0.20857	0.09165	0.22782	6.18%	2.72%	6.75%	2.4857	0.08500	3.33%
003.09	20	18	3.4656	0.11439	3.4703	0.12187	0.01927	3.51%	0.10895	0.04931	0.11959	3.14%	1.42%	3.45%	2.4253	0.05195	3.32%
003.10	18	15	3.3850	0.08809	3.3769	0.09497	0.01679	2.81%	0.08532	0.03104	0.09079	2.52%	0.92%	2.68%	2.9251	0.04500	3.33%
003.11	4	4	3.3738	0.30344	3.3738	0.30344	0.10728	8.99%	0.30009	0.06354	0.30674	8.89%	1.88%	9.09%	4.8275	0.07250	3.33%
003.12	6	6	3.3667	0.10539	3.3688	0.11519	0.03325	3.42%	0.10152	0.04000	0.10912	3.02%	1.19%	3.24%	2.7279	0.04000	3.33%
003.13	7	6	3.4832	0.31759	3.3975	0.20377	0.05446	6.00%	0.31604	0.04432	0.31914	9.07%	1.27%	9.16%	7.2000	0.08229	3.33%
003.14	29	26	3.3785	0.23761	3.3847	0.20423	0.02779	6.03%	0.22888	0.09027	0.24603	6.77%	2.67%	7.28%	2.7257	0.09893	3.33%
003.99	1		3.9000														

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
004.00	13	12	4.2013	0.50980	4.2665	0.44024	0.08986	10.32%	0.50753	0.06798	0.51207	12.08%	1.62%	12.19%	7.5330	0.08250	3.22%
004.01	1		4.8500														
004.03	4	4	4.5438	0.20373	4.5438	0.20373	0.07203	4.48%	0.20289	0.02622	0.20457	4.47%	0.58%	4.50%	7.8021	0.03250	3.18%
004.06	27	26	4.3708	0.35395	4.3848	0.36952	0.05029	8.43%	0.34702	0.09860	0.36076	7.94%	2.26%	8.25%	3.6588	0.10349	3.20%
004.07	45	41	4.1008	0.33584	4.1101	0.35756	0.03856	8.70%	0.32973	0.09017	0.34184	8.04%	2.20%	8.34%	3.7911	0.10530	3.23%
004.11	2	0															
004.99	2	0															
005.00	72	67	6.3612	0.17263	6.3646	0.18612	0.01573	2.92%	0.16888	0.05063	0.17630	2.65%	0.80%	2.77%	3.4820	0.05837	3.03%
005.02	1		6.5600														
005.03	1		6.0500														
005.05	20	18	6.5063	0.07272	6.5088	0.06142	0.00996	0.94%	0.06868	0.03380	0.07655	1.06%	0.52%	1.18%	2.2646	0.03797	3.02%
005.11	3	3	7.0583	1.1233	7.0583	1.1233	0.45859	15.91%	1.1174	0.16274	1.1292	15.83%	2.31%	16.00%	6.9387	0.17000	2.98%
005.99	3	3	6.4250	0.33956	6.4250	0.33956	0.13862	5.28%	0.33893	0.02915	0.34018	5.28%	0.45%	5.29%	11.668	0.03000	3.02%
006.00	3	3	7.9333	2.3447	7.9333	2.3447	0.95721	29.55%	2.3350	0.30172	2.3544	29.43%	3.80%	29.68%	7.8032	0.40000	2.93%
006.01	2	0															
006.99	4	4	8.6375	1.5444	8.6375	1.5444	0.54603	17.88%	1.5408	0.14983	1.5480	17.84%	1.73%	17.92%	10.332	0.13500	2.89%
008.02	9	8	6.0800	1.2988	6.4725	0.71608	0.16878	11.06%	1.2978	0.07280	1.2998	21.34%	1.20%	21.38%	17.854	0.11222	3.02%
008.05	1		6.1000														
008.08	24	24	6.3381	0.57900	6.3160	0.60426	0.08722	9.57%	0.55561	0.23038	0.60148	8.77%	3.63%	9.49%	2.6108	0.24792	3.03%
009.07	6	6	11.063	1.7558	11.063	1.9910	0.57477	18.00%	1.7536	0.12241	1.7579	15.85%	1.11%	15.89%	14.361	0.13333	2.79%
009.09	21	19	11.303	1.0472	11.275	1.1647	0.18415	10.33%	1.0405	0.16747	1.0539	9.21%	1.48%	9.32%	6.2930	0.20800	2.78%
010.03	3	3	9.3933	0.43995	9.3933	0.43995	0.17961	4.68%	0.42502	0.16073	0.45440	4.52%	1.71%	4.84%	2.8271	0.19333	2.86%
010.11	2	0															
010.99	2	0															
011.01	46	43	10.446	0.22625	10.424	0.18786	0.01980	1.80%	0.22005	0.07436	0.23227	2.11%	0.71%	2.22%	3.1237	0.08102	2.81%
011.02	2	0															
011.99	3	3	9.9717	0.42616	9.9717	0.42616	0.17398	4.27%	0.42004	0.10173	0.43218	4.21%	1.02%	4.33%	4.2481	0.13667	2.83%
012.00	9	8	39.421	0.63735	39.621	0.60840	0.14340	1.54%	0.62394	0.18393	0.65049	1.58%	0.47%	1.65%	3.5365	0.19222	2.30%
012.01	3	2	36.050	0.00000	35.523	0.91337	0.37288	2.57%		1.1511			3.19%			1.2880	2.34%
012.03	4	4	35.948	3.1853	35.948	3.1853	1.1262	8.86%	3.1739	0.38085	3.1967	8.83%	1.06%	8.89%	8.3934	0.42500	2.33%
012.04	3	3	38.985	2.4778	38.985	2.4778	1.0116	6.36%	2.4573	0.44931	2.4981	6.30%	1.15%	6.41%	5.5597	0.45000	2.30%
012.11	3	3	37.175	2.5244	37.175	2.5244	1.0306	6.79%	2.5054	0.43698	2.5432	6.74%	1.18%	6.84%	5.8200	0.61667	2.32%
013.00	10	10	4.3190	0.47769	4.3190	0.54170	0.12113	12.54%	0.47399	0.08390	0.48136	10.97%	1.94%	11.15%	5.7370	0.08400	3.21%
013.02	15	15	4.5940	0.21847	4.5941	0.18896	0.03450	4.11%	0.15710	0.21471	0.26604	3.42%	4.67%	5.79%	1.2391	0.21733	3.18%
013.08	1		3.0420														
013.10	7	7	4.0594	0.46804	4.1100	0.40748	0.10890	9.91%	0.45681	0.14417	0.47902	11.25%	3.55%	11.80%	3.3227	0.16514	3.23%
013.13	3	3	4.7083	0.39218	4.7083	0.39218	0.16011	8.33%	0.36088	0.21714	0.42117	7.66%	4.61%	8.95%	1.9396	0.22333	3.17%
014.99	1		14.000														

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015.41	6	5	186.96	25.149	193.48	31.292	9.0331	16.17%	25.127	1.5058	25.172	13.44%	0.81%	13.46%	16.717	3.1080	7.24%	
015.43	6	6	184.73	14.095	184.73	15.983	4.6140	8.65%	13.195	7.0065	14.940	7.14%	3.79%	8.09%	2.1323	6.4657	7.29%	
015.53	2	0																
017.41	1		9.7250															
017.42	3	3	10.560	1.6273	10.560	1.6273	0.66434	15.41%	1.6268	0.05477	1.6278	15.41%	0.52%	15.41%	29.719	0.07333	11.22%	
017.43	5	5	9.1600	1.8784	9.1600	1.8784	0.59401	20.51%	1.8395	0.53839	1.9166	20.08%	5.88%	20.92%	3.5599	0.54800	11.46%	
017.53	1		9.7000															
019.00	14	11	1.1861	0.02703	1.1914	0.02498	0.00490	2.10%	0.02589	0.01100	0.02813	2.18%	0.93%	2.37%	2.5582	0.01565	3.90%	
019.03	1		1.2862															
019.08	9	8	1.2363	0.04968	1.2217	0.05680	0.01339	4.65%	0.04902	0.01139	0.05033	3.97%	0.92%	4.07%	4.4173	0.01256	3.88%	
019.09	1		1.1775															
019.31	16	15	1.1784	0.05810	1.1957	0.02960	0.00523	2.48%	0.05649	0.01918	0.05966	4.79%	1.63%	5.06%	3.1106	0.02428	3.89%	
019.32	5	3	1.2587	0.01002	1.2477	0.02636	0.00833	2.11%		0.01568			1.25%			0.03150	3.87%	
019.34	1		1.0850															
019.41	31	29	1.2388	0.04662	1.2327	0.03345	0.00425	2.71%	0.04366	0.02310	0.04939	3.52%	1.86%	3.99%	2.1384	0.02543	3.88%	
019.42	16	16	1.2453	0.07474	1.2456	0.08425	0.01489	6.76%	0.07199	0.02841	0.07739	5.78%	2.28%	6.21%	2.7245	0.03141	3.87%	
019.43	17	17	1.2260	0.05613	1.2239	0.05922	0.01016	4.84%	0.04587	0.04574	0.06478	3.74%	3.73%	5.28%	1.4162	0.04500	3.88%	
019.44	1		1.3000															
019.52	1		1.1391															
019.53	1		1.3050															
019.99	3	3	0.95182	0.19863	0.95182	0.19863	0.08109	20.87%	0.19840	0.01335	0.19885	20.84%	1.40%	20.89%	14.898	0.01610	4.03%	
021.00	1		0.79500															
021.31	2	0																
021.34	1		1.4600															
021.41	4	4	1.0860	0.29337	1.0860	0.29337	0.10372	27.01%	0.28984	0.06421	0.29686	26.69%	5.91%	27.34%	4.6235	0.07275	15.80%	
021.42	1		1.0000															
021.43	5	5	1.2630	0.22010	1.2630	0.22010	0.06960	17.43%	0.21836	0.03912	0.22183	17.29%	3.10%	17.56%	5.6713	0.04600	15.44%	
021.52	1		0.89200															
021.53	4	4	0.93198	0.40080	0.93198	0.40080	0.14170	43.01%	0.38297	0.16720	0.41788	41.09%	17.94%	44.84%	2.4992	0.20530	16.17%	
022.31	9	8	169.48	15.463	171.67	11.080	2.6116	6.45%	15.371	2.3811	15.554	9.07%	1.40%	9.18%	6.5325	3.5356	7.37%	
022.32	3	3	198.20	5.3075	198.20	5.3075	2.1668	2.68%	3.8301	5.1962	6.4552	1.93%	2.62%	3.26%	1.2423	6.6667	7.22%	
022.41	22	22	172.41	19.700	171.83	20.995	3.1652	12.22%	19.320	5.4498	20.074	11.21%	3.16%	11.64%	3.6834	6.0325	7.37%	
022.42	13	12	202.79	7.4998	201.70	9.2892	1.8218	4.61%	6.3078	5.7374	8.5268	3.11%	2.83%	4.20%	1.4862	6.1615	7.20%	
022.43	15	12	191.03	8.0091	189.85	8.7665	1.6567	4.62%	7.7084	3.0747	8.2990	4.04%	1.61%	4.34%	2.6991	4.8764	7.26%	
022.53	3	2	187.50	0.00000	188.33	1.4434	0.58926	0.77%		3.3302			1.78%			9.8000	7.27%	
022.99	1		182.00															
025.31	9	9	379.81	39.671	382.02	21.627	5.0975	5.66%	39.315	7.4913	40.023	10.35%	1.97%	10.54%	5.3426	8.3489	6.54%	
025.32	3	3	399.69	86.597	399.69	86.597	35.353	21.67%	86.467	6.7033	86.726	21.63%	1.68%	21.70%	12.938	8.1367	6.49%	

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025.41	23	21	377.35	23.178	377.79	25.727	3.7932	6.81%	22.705	6.5914	23.642	6.02%	1.75%	6.27%	3.5869	8.3433	6.55%
025.42	12	10	379.60	30.904	376.01	34.382	7.0182	9.14%	30.541	6.6814	31.263	8.05%	1.76%	8.24%	4.6791	8.4233	6.55%
025.43	15	13	364.85	33.286	365.23	28.801	5.2582	7.89%	32.624	9.3406	33.935	8.94%	2.56%	9.30%	3.6331	12.022	6.58%
025.52	1		328.45														
025.53	2	0															
025.99	1		360.50														
027.31	8	6	0.20238	0.00344	0.20126	0.00421	0.00112	2.09%	0.00281	0.00281	0.00397	1.39%	1.39%	1.96%	1.4151	0.00283	5.09%
027.32	4	4	0.20891	0.01074	0.20891	0.01074	0.00380	5.14%	0.01041	0.00373	0.01106	4.98%	1.79%	5.29%	2.9631	0.00358	5.06%
027.41	22	20	0.21191	0.00979	0.21114	0.01105	0.00167	5.24%	0.00931	0.00430	0.01025	4.39%	2.03%	4.84%	2.3848	0.00502	5.05%
027.42	12	12	0.21368	0.01320	0.21317	0.01395	0.00285	6.54%	0.01236	0.00653	0.01398	5.79%	3.06%	6.54%	2.1405	0.00660	5.05%
027.43	14	13	0.20388	0.01163	0.20298	0.00998	0.00196	4.92%	0.01143	0.00307	0.01183	5.61%	1.51%	5.80%	3.8552	0.00238	5.08%
027.52	1		0.20235														
027.53	1		0.21500														
027.99	2	0															
028.31	9	9	65.524	2.4316	65.146	2.0403	0.48090	3.13%	2.1946	1.4810	2.6476	3.35%	2.26%	4.04%	1.7877	1.4744	8.53%
028.32	3	3	77.022	11.242	77.022	11.242	4.5895	14.60%	10.856	4.1284	11.615	14.10%	5.36%	15.08%	2.8134	3.9500	8.32%
028.41	23	20	65.813	3.0085	66.617	2.4997	0.36856	3.75%	2.6252	2.0783	3.3482	3.99%	3.16%	5.09%	1.6111	2.7891	8.50%
028.42	15	15	70.391	4.8228	70.659	4.7156	0.86095	6.67%	4.4280	2.7024	5.1875	6.29%	3.84%	7.37%	1.9196	2.7040	8.43%
028.43	15	13	67.777	3.6872	68.309	4.6072	0.87068	6.74%	3.4814	1.7178	3.8821	5.14%	2.53%	5.73%	2.2599	2.2000	8.47%
028.44	1		63.100														
028.53	2	0															
028.99	1		67.500														
031.00	1		0.78000														
031.01	36	34	0.76155	0.02599	0.76116	0.02125	0.00254	2.79%	0.02557	0.00658	0.02640	3.36%	0.86%	3.47%	4.0120	0.00787	4.17%
031.02	3	2	0.76000	0.00000	0.76047	0.00081	0.00033	0.11%	0.00000	0.00000	0.00000	0.00%	0.00%	0.00%		0.00013	4.17%
031.03	4	4	0.75886	0.02786	0.75886	0.02786	0.00985	3.67%	0.02785	0.00076	0.02786	3.67%	0.10%	3.67%	36.702	0.00073	4.17%
031.04	1		0.78000														
031.06	1		0.74800														
031.41	29	26	0.76469	0.03848	0.76761	0.04350	0.00571	5.67%	0.03719	0.01401	0.03974	4.86%	1.83%	5.20%	2.8373	0.02067	4.16%
031.42	16	14	0.74773	0.02548	0.75116	0.02804	0.00496	3.73%	0.02280	0.01608	0.02790	3.05%	2.15%	3.73%	1.7355	0.01818	4.18%
031.43	17	16	0.76358	0.03959	0.76484	0.04210	0.00722	5.50%	0.03797	0.01589	0.04116	4.97%	2.08%	5.39%	2.5902	0.01875	4.16%
031.53	2	0															
031.99	5	5	0.70811	0.04442	0.70811	0.04442	0.01405	6.27%	0.04414	0.00707	0.04470	6.23%	1.00%	6.31%	6.3216	0.00606	4.21%
032.02	1		0.83050														
032.08	1		0.68550														
032.31	9	8	0.80244	0.04545	0.80415	0.04089	0.01022	5.08%	0.04538	0.00354	0.04552	5.66%	0.44%	5.67%	12.842	0.00263	4.13%
032.32	3	3	0.85983	0.03275	0.85983	0.03275	0.01337	3.81%	0.03107	0.01463	0.03434	3.61%	1.70%	3.99%	2.3483	0.01480	4.09%
032.41	20	18	0.82574	0.02867	0.82916	0.03214	0.00521	3.88%	0.02633	0.01604	0.03083	3.19%	1.94%	3.73%	1.9221	0.02099	4.11%

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
032.42	13	12	0.82394	0.04826	0.82526	0.03357	0.00685	4.07%	0.04703	0.01536	0.04947	5.71%	1.86%	6.00%	3.2209	0.01740	4.12%
032.43	15	13	0.82512	0.06330	0.82322	0.05658	0.01069	6.87%	0.06182	0.01920	0.06474	7.49%	2.33%	7.85%	3.3717	0.02321	4.12%
032.52	1		0.81105														
032.53	2	0															
032.99	2	0															
033.00	24	23	0.57989	0.06238	0.58257	0.05692	0.00839	9.77%	0.06180	0.01199	0.06296	10.66%	2.07%	10.86%	5.2507	0.01222	4.34%
033.01	28	25	0.65241	0.03375	0.64980	0.01910	0.00260	2.94%	0.03299	0.01008	0.03450	5.06%	1.55%	5.29%	3.4212	0.00916	4.27%
033.03	6	4	0.59375	0.08606	0.54770	0.11624	0.03356	21.22%	0.08463	0.02208	0.08746	14.25%	3.72%	14.73%	3.9614	0.04000	4.38%
033.05	5	5	0.63110	0.04367	0.63110	0.04367	0.01381	6.92%	0.04277	0.01253	0.04456	6.78%	1.98%	7.06%	3.5575	0.01460	4.29%
033.99	5	5	0.59170	0.10167	0.59170	0.10167	0.03215	17.18%	0.10065	0.02027	0.10267	17.01%	3.43%	17.35%	5.0653	0.02284	4.33%
034.01	2	0															
034.04	5	5	0.53060	0.05032	0.53060	0.05032	0.01591	9.48%	0.04945	0.01317	0.05118	9.32%	2.48%	9.65%	3.8865	0.01360	17.60%
034.41	2	0															
034.42	2	0															
034.43	3	2	0.42743	0.04607	0.41162	0.04255	0.01737	10.34%	0.04015	0.03195	0.05131	9.39%	7.47%	12.00%	1.6059	0.22130	18.28%
034.52	2	0															
034.53	5	4	0.61278	0.15678	0.62202	0.13734	0.04343	22.08%	0.15657	0.01132	0.15698	25.55%	1.85%	25.62%	13.866	0.02624	17.18%
035.01	3	3	0.20317	0.01742	0.20317	0.01742	0.00711	8.58%	0.01689	0.00607	0.01794	8.31%	2.99%	8.83%	2.9567	0.00767	5.08%
035.05	2	0															
035.31	12	11	0.20257	0.01300	0.20666	0.00886	0.00181	4.29%	0.01285	0.00273	0.01314	6.34%	1.35%	6.49%	4.8068	0.00288	5.07%
035.32	4	4	0.22094	0.01771	0.22094	0.01771	0.00626	8.02%	0.01723	0.00582	0.01818	7.80%	2.63%	8.23%	3.1255	0.00798	5.02%
035.41	23	23	0.21031	0.01256	0.20917	0.01141	0.00168	5.45%	0.01153	0.00707	0.01352	5.48%	3.36%	6.43%	1.9127	0.00778	5.06%
035.42	12	11	0.20077	0.02217	0.20117	0.02161	0.00441	10.74%	0.02188	0.00507	0.02246	10.90%	2.53%	11.19%	4.4274	0.00686	5.09%
035.43	12	11	0.20441	0.01096	0.20430	0.01143	0.00233	5.60%	0.01022	0.00560	0.01165	5.00%	2.74%	5.70%	2.0823	0.00717	5.08%
035.52	1		0.20235														
035.53	2	0															
035.99	2	0															
036.04	2	0															
036.42	13	13	0.27982	0.01154	0.28024	0.01048	0.00205	3.74%	0.00996	0.00823	0.01292	3.56%	2.94%	4.62%	1.5705	0.00778	4.84%
036.43	10	10	0.28625	0.02057	0.28985	0.01587	0.00355	5.48%	0.01866	0.01223	0.02231	6.52%	4.27%	7.80%	1.8240	0.01130	4.82%
036.53	1		0.28500														
036.99	2	0															
037.31	11	10	264.54	18.697	264.62	10.177	2.2756	3.85%	18.202	6.0423	19.179	6.88%	2.28%	7.25%	3.1741	5.7680	6.91%
037.32	4	3	278.13	0.23094	268.17	19.933	7.0472	7.43%		1.8330			0.66%			1.8750	6.90%
037.41	26	23	261.64	24.931	266.57	18.001	2.5457	6.75%	24.575	5.9380	25.282	9.39%	2.27%	9.66%	4.2577	6.9718	6.90%
037.42	16	15	272.89	19.657	272.01	20.217	3.6911	7.43%	18.777	8.2254	20.500	6.88%	3.01%	7.51%	2.4922	8.8373	6.88%
037.43	17	16	267.09	12.877	264.94	10.435	1.7896	3.94%	10.771	9.9811	14.685	4.03%	3.74%	5.50%	1.4712	12.097	6.91%
037.53	2	0															

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
037.99	2	0															
038.41	1		1.0235														
038.42	1		0.83000														
038.43	7	7	0.82071	0.33921	0.85319	0.31062	0.08302	36.41%	0.33574	0.06840	0.34264	40.91%	8.33%	41.75%	5.0093	0.07857	16.38%
038.52	1		0.72050														
038.53	4	4	1.0157	0.09900	1.0157	0.09900	0.03500	9.75%	0.09300	0.04801	0.10466	9.16%	4.73%	10.30%	2.1801	0.05805	15.96%
040.53	1		3.0062														
041.53	1		2.1600														
042.00	1		0.35000														
050.01	5	4	52.213	2.9276	41.771	23.485	7.4266	56.22%	2.7061	1.5796	3.1334	5.18%	3.03%	6.00%	1.9837	1.5161	9.12%
057.01	1		7.0000														
057.99	2	0															
065.99	1		2.7700														
077.01	1		99.650														
101.02	1		1,181.6														
102.01	1		91.700														
103.01	1		25.500														
104.00	2	0															
104.03	1		5.5400														
105.00	1		1.9750														
106.00	1		2.5000														
106.01	2	0															
106.02	12	11	3.5776	2.0757	3.9401	2.6578	0.54252	67.46%	2.0671	0.26708	2.0843	57.78%	7.47%	58.26%	7.8039	0.26658	32.68%
107.00	1		46.300														
108.01	1		0.43500														
108.02	2	0															
109.02	11	10	59.819	8.5597	58.638	8.2360	1.7559	14.05%	8.3751	2.5004	8.7404	14.00%	4.18%	14.61%	3.4956	3.5964	8.67%
111.00	1		5.7000														
113.01	1		1.6700														
114.01	1		0.51500														
120.00	13	11	0.87702	0.02812	0.88036	0.01635	0.00334	1.86%	0.02758	0.00778	0.02865	3.14%	0.89%	3.27%	3.6850	0.00879	4.08%
120.01	1		0.81850														
120.02	2	0															
120.05	2	0															
121.00	13	12	1.0430	0.04578	1.0401	0.03868	0.00790	3.72%	0.04518	0.01050	0.04638	4.33%	1.01%	4.45%	4.4156	0.01233	3.98%
121.01	1		1.0380														
121.02	2	0															
121.05	2	0															

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122.00	13	12	1.4849	0.06563	1.4652	0.02808	0.00573	1.92%	0.06524	0.01010	0.06602	4.39%	0.68%	4.45%	6.5384	0.01175	3.78%
122.01	1		1.4135														
122.02	2	0															
122.05	2	0															
124.00	13	12	0.35804	0.02894	0.35823	0.02720	0.00533	7.59%	0.02846	0.00741	0.02941	7.95%	2.07%	8.21%	3.9703	0.00715	4.67%
124.01	1		0.32400														
124.02	2	0															
124.99	1		0.21650														
125.00	13	12	3.0409	0.12773	3.0155	0.07965	0.01562	2.64%	0.12470	0.03915	0.13070	4.10%	1.29%	4.30%	3.3381	0.04629	3.39%
125.01	1		3.0580														
125.02	2	0															
125.05	2	0															
126.00	13	12	0.82071	0.02503	0.81987	0.02013	0.00395	2.46%	0.02371	0.01135	0.02628	2.89%	1.38%	3.20%	2.3152	0.01361	4.12%
126.01	1		0.79800														
126.02	2	0															
126.05	2	0															
127.00	13	12	0.47250	0.01684	0.46965	0.01950	0.00383	4.15%	0.01504	0.01074	0.01847	3.18%	2.27%	3.91%	1.7209	0.01062	4.48%
127.01	1		0.35800														
127.02	2	0															
127.05	2	0															
128.00	13	11	0.69444	0.01486	0.69631	0.01756	0.00359	2.52%	0.01423	0.00609	0.01548	2.05%	0.88%	2.23%	2.5415	0.00720	4.22%
128.01	1		0.72350														
128.02	2	0															
128.05	2	0															
129.00	13	12	1.3977	0.04154	1.4023	0.03381	0.00663	2.41%	0.04068	0.01187	0.04238	2.91%	0.85%	3.03%	3.5696	0.01592	3.80%
129.01	1		1.3790														
129.02	2	0															
129.05	2	0															
130.00	17	16	0.99550	0.04406	0.98914	0.03559	0.00610	3.60%	0.04266	0.01558	0.04541	4.28%	1.57%	4.56%	2.9146	0.01942	4.01%
130.01	2	0															
130.02	2	0															
130.05	4	3	0.99100	0.00529	0.99913	0.01681	0.00594	1.68%	0.00440	0.00416	0.00606	0.44%	0.42%	0.61%	1.4544	0.03075	4.00%
130.99	1		1.0850														
131.00	13	13	0.32993	0.01676	0.32731	0.00978	0.00192	2.99%	0.01644	0.00459	0.01707	4.98%	1.39%	5.17%	3.7189	0.00478	4.73%
131.01	1		0.34450														
131.02	2	0															
131.05	1		0.33500														
131.99	1		0.25950														

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132.00	13	13	0.75615	0.04247	0.75888	0.03268	0.00641	4.31%	0.04230	0.00543	0.04265	5.59%	0.72%	5.64%	7.8466	0.00569	4.17%
132.01	1		0.78900														
132.02	2	0															
132.05	2	0															
133.00	12	11	1.1058	0.06905	1.1016	0.03527	0.00752	3.20%	0.06871	0.00969	0.06939	6.21%	0.88%	6.28%	7.1589	0.01064	3.94%
133.05	2	0															
134.00	13	12	0.79454	0.03987	0.78988	0.03329	0.00679	4.21%	0.03894	0.01215	0.04079	4.90%	1.53%	5.13%	3.3562	0.01358	4.14%
134.01	1		0.80850														
134.02	2	0															
134.05	2	0															
135.00	13	12	0.71178	0.02474	0.71562	0.02514	0.00493	3.51%	0.02348	0.01100	0.02593	3.30%	1.54%	3.64%	2.3582	0.01517	4.21%
135.01	1		0.69400														
135.02	2	0															
135.05	2	0															
136.00	3	2	0.24500	0.00000	0.20037	0.07731	0.03156	38.58%		0.00860			3.51%			0.00800	5.09%
136.01	4	4	0.21425	0.01102	0.21425	0.01102	0.00390	5.14%	0.01076	0.00335	0.01127	5.02%	1.57%	5.26%	3.3604	0.00450	5.04%
136.02	2	0															
136.03	3	3	0.21467	0.00852	0.21467	0.00852	0.00348	3.97%	0.00845	0.00153	0.00859	3.94%	0.71%	4.00%	5.6220	0.00200	5.04%
137.00	9	8	0.51598	0.05892	0.53917	0.02118	0.00499	3.93%	0.05869	0.00739	0.05916	11.37%	1.43%	11.46%	8.0008	0.00930	4.39%
137.01	1		0.55500														
137.02	2	0															
137.05	2	0															
138.00	13	11	0.85157	0.01940	0.85604	0.01993	0.00407	2.33%	0.01869	0.00737	0.02009	2.19%	0.87%	2.36%	2.7250	0.00762	4.09%
138.01	1		0.93450														
138.02	2	0															
138.05	2	0															
139.00	1		0.16500														
139.02	2	0															
143.00	1		1.1700														
160.99	3	3	0.12683	0.05557	0.12683	0.05557	0.02268	43.81%	0.05547	0.00456	0.05566	43.74%	3.60%	43.88%	12.194	0.00500	5.46%
161.99	1		0.00000														
162.99	4	4	0.45325	0.44141	0.45325	0.44141	0.15606	97.39%	0.44104	0.02550	0.44178	97.31%	5.63%	97.47%	17.321	0.03050	4.51%
163.99	5	4	3.2663	0.67114	3.1330	0.65314	0.20654	20.85%	0.67057	0.03892	0.67170	20.53%	1.19%	20.56%	17.260	0.11080	3.37%
164.99	4	4	0.42738	0.40764	0.42738	0.40764	0.14412	95.38%	0.40675	0.03811	0.40853	95.17%	8.92%	95.59%	10.719	0.03975	4.55%
165.99	4	3	2.5520	0.08802	2.4390	0.23715	0.08385	9.72%	0.08658	0.02242	0.08943	3.39%	0.88%	3.50%	3.9890	0.11600	3.50%
166.99	1		0.28350														
167.99	1		0.72200														
400.01	2	0															

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400.99	1		0.53775														
516.00	1		0.28000														
516.43	2	0															
516.52	1		0.24150														
516.53	4	4	0.21488	0.04933	0.21488	0.04933	0.01744	22.96%	0.04842	0.01331	0.05022	22.54%	6.19%	23.37%	3.7734	0.01875	20.16%
518.41	3	3	0.07458	0.03322	0.07458	0.03322	0.01356	44.53%	0.03319	0.00201	0.03325	44.49%	2.70%	44.58%	16.537	0.00217	23.64%
518.43	2	0															
518.52	1		0.11350														
518.53	4	4	0.09005	0.01831	0.09005	0.01831	0.00647	20.33%	0.01808	0.00412	0.01854	20.08%	4.57%	20.59%	4.5010	0.00490	22.98%
520.41	2	0															
520.43	3	3	6.8203	0.98169	6.8203	0.98169	0.40077	14.39%	0.65379	1.0356	1.2247	9.59%	15.18%	17.96%	1.1826	1.2020	11.98%
520.53	2	0															
520.99	1		5.1950														
526.31	1		0.08090														
526.41	1		0.00000														
526.43	2	0															
526.52	1		0.18200														
526.53	3	3	0.18167	0.00764	0.18167	0.00764	0.00312	4.20%		0.01288			7.09%			0.01800	20.68%
529.99	1		19.000														
539.41	1		2.0425														
539.43	2	0															
539.53	3	3	1.8672	0.53585	1.8672	0.53585	0.21876	28.70%	0.48959	0.30804	0.57843	26.22%	16.50%	30.98%	1.8778	0.34567	14.56%
600.01	3	2	0.75000	1.0607												0.06667	
600.03	1		1.5000														
600.20	1		0.00000														
601.92	1		2.4800														
610.01	2	0															
610.07	1		270.00														
620.01	1		650.00														
620.04	1		1,050.0														
630.05	1		3.2150														
640.01	1		88.500														
650.01	2	0															
650.06	1		87.300														