

# AAFCO Check Sample Program

All Methods Report

Sort by Method

Proficiency For Individual Methods

Sample # 201522

Swine Starter, Medicated

Regular Program



# AAFCO

## Check Sample Program



Issue Date : 03/31/2015

Method Code	Total # Labs Submitting	# Labs in Method Precision Calcs	Mean	SD	Assigned Value - Robust Mean	AAFCO CS ffp - Robust sd	Uncertainty (U) - Robust	% RSD - Robust	Between Labs sL	Within Labs sr	Reproducibility sR	Between Labs %RSD	Within Labs %rSD	Reproducibility %RSD	sR/sr	Average Range (R-bar)	Horwitz %RSD
000.02	1		0.20000														
001.00	4	3	9.1433	0.78588	9.1433	0.78588	0.45373	8.60%	0.78568	0.02517	0.78608	8.59%	0.28%	8.60%	31.236	0.07750	2.87%
001.03	11	9	9.4162	0.15769	9.3829	0.20670	0.04622	2.20%	0.15658	0.02651	0.15881	1.66%	0.28%	1.69%	5.9897	0.02864	2.86%
001.05	1		9.0850														
001.07	36	32	9.2108	0.33630	9.1805	0.39055	0.04668	4.25%	0.32987	0.09257	0.34261	3.58%	1.01%	3.72%	3.7010	0.12069	2.86%
001.08	3	3	9.2750	0.02500	9.2750	0.02500	0.01443	0.27%		0.09211			0.99%		0.11000		2.86%
001.99	17	15	8.9491	0.53522	8.8580	0.64872	0.11126	7.32%	0.53179	0.08548	0.53862	5.94%	0.96%	6.02%	6.3008	0.10324	2.88%
002.00	5	4	20.764	0.43584	20.764	0.43584	0.21792	2.10%	0.39491	0.26079	0.47325	1.90%	1.26%	2.28%	1.8147	0.34800	2.19%
002.01	14	12	20.158	0.31625	20.192	0.37046	0.07265	1.83%	0.31307	0.06319	0.31939	1.55%	0.31%	1.58%	5.0548	0.09219	2.23%
002.02	4	4	20.398	0.28543	20.398	0.28543	0.14271	1.40%	0.28405	0.03960	0.28680	1.39%	0.19%	1.41%	7.2430	0.05380	2.21%
002.03	1		20.545														
002.04	4	4	20.360	0.28824	20.360	0.28824	0.14412	1.42%	0.28106	0.09042	0.29525	1.38%	0.44%	1.45%	3.2654	0.12500	2.22%
002.05	31	29	20.347	0.21172	20.336	0.22182	0.02864	1.09%	0.20339	0.08316	0.21973	1.00%	0.41%	1.08%	2.6422	0.08602	2.22%
002.06	127	117	20.597	0.25574	20.595	0.20072	0.01264	0.97%	0.23598	0.13940	0.27408	1.15%	0.68%	1.33%	1.9661	0.19217	2.20%
002.08	2	0															
002.10	1		20.475														
002.11	5	4	20.954	1.1981	20.954	1.1981	0.59906	5.72%	1.1976	0.05037	1.1987	5.72%	0.24%	5.72%	23.795	0.42400	2.18%
002.99	2	0															
003.00	13	11	5.3382	0.28589	5.4095	0.17812	0.03636	3.29%	0.28404	0.04583	0.28772	5.32%	0.86%	5.39%	6.2785	0.08250	3.10%
003.01	1		4.4100														
003.06	18	14	5.3459	0.13550	5.2886	0.19260	0.03303	3.64%	0.13116	0.04815	0.13972	2.45%	0.90%	2.61%	2.9015	0.06853	3.11%
003.09	22	20	5.3938	0.11200	5.3880	0.11497	0.01774	2.13%	0.10726	0.04558	0.11654	1.99%	0.85%	2.16%	2.5567	0.04905	3.10%
003.10	30	27	5.2749	0.21326	5.3072	0.19463	0.02513	3.67%	0.20215	0.09611	0.22383	3.83%	1.82%	4.24%	2.3288	0.12339	3.11%
003.11	4	3	5.2800	0.11303	5.2800	0.11303	0.06526	2.14%	0.10452	0.06083	0.12093	1.98%	1.15%	2.29%	1.9881	0.46500	3.11%
003.12	9	9	5.3596	0.09484	5.3586	0.10564	0.02490	1.97%	0.09239	0.03030	0.09723	1.72%	0.57%	1.81%	3.2090	0.02716	3.11%
003.13	7	7	5.4475	0.41191	5.4368	0.32728	0.08747	6.02%	0.39987	0.13985	0.42362	7.34%	2.57%	7.78%	3.0290	0.14529	3.10%
003.14	38	35	5.2453	0.29038	5.2279	0.25977	0.03020	4.97%	0.27999	0.10886	0.30041	5.34%	2.08%	5.73%	2.7595	0.11344	3.12%
003.99	4	3	5.4217	0.22093	5.4217	0.22093	0.12755	4.07%	0.21687	0.05958	0.22491	4.00%	1.10%	4.15%	3.7748	0.19750	3.10%
004.00	22	20	1.8718	0.18315	1.8986	0.17889	0.02697	9.42%	0.17528	0.07508	0.19069	9.36%	4.01%	10.19%	2.5397	0.08682	3.63%
004.01	2	0															
004.03	6	6	2.0475	0.88195	1.9727	0.83865	0.24210	42.51%	0.87899	0.10194	0.88489	42.93%	4.98%	43.22%	8.6805	0.11167	3.61%
004.06	29	27	1.8842	0.25939	1.8919	0.28310	0.03783	14.96%	0.25453	0.07070	0.26417	13.51%	3.75%	14.02%	3.7362	0.08117	3.63%

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004.07	54	48	1.7460	0.23360	1.7376	0.26409	0.02615	15.20%	0.22107	0.10673	0.24549	12.66%	6.11%	14.06%	2.3001	0.12554	3.68%
004.11	3	2	1.8025	0.70357	1.8025	0.70357	0.49750	39.03%	0.70314	0.03500	0.70401	39.01%	1.94%	39.06%	20.114	0.59667	3.66%
004.99	4	4	2.0200	0.56564	2.0200	0.56564	0.28282	28.00%	0.56457	0.04924	0.56671	27.95%	2.44%	28.06%	11.508	0.04500	3.60%
005.00	89	83	7.2786	0.12822	7.2771	0.14099	0.01069	1.94%	0.12436	0.04418	0.13197	1.71%	0.61%	1.81%	2.9873	0.05702	2.97%
005.03	1		7.2500														
005.05	27	26	7.3862	0.05284	7.3806	0.05405	0.00735	0.73%	0.04001	0.04880	0.06311	0.54%	0.66%	0.85%	1.2931	0.04653	2.96%
005.11	4	4	6.1875	1.0080	6.1875	1.0080	0.50399	16.29%	1.0054	0.10259	1.0106	16.25%	1.66%	16.33%	9.8507	0.11500	3.04%
005.99	10	8	7.2956	0.11927	7.2696	0.15441	0.03639	2.12%	0.11111	0.06129	0.12690	1.52%	0.84%	1.74%	2.0705	0.07064	2.97%
006.00	1		6.8450														
006.01	2	0															
006.99	4	4	8.7805	1.1354	8.7805	1.1354	0.56771	12.93%	1.1188	0.27331	1.1517	12.74%	3.11%	13.12%	4.2140	0.26000	2.88%
008.02	13	11	3.0650	0.57543	3.0722	0.80435	0.15775	26.18%	0.57023	0.10923	0.58060	18.60%	3.56%	18.94%	5.3152	0.18385	3.38%
008.05	1		4.2000														
008.08	34	32	3.3315	0.81530	3.3452	0.84608	0.10415	25.29%	0.80682	0.16590	0.82370	24.22%	4.98%	24.72%	4.9652	0.19543	3.34%
008.99	5	5	3.0360	0.72456	3.0360	0.72456	0.32403	23.87%	0.71964	0.11916	0.72944	23.70%	3.93%	24.03%	6.1213	0.15600	3.38%
009.04	1		12.400														
009.07	9	9	7.5100	1.3951	7.5022	1.5670	0.36935	20.89%	1.3764	0.32177	1.4135	18.33%	4.28%	18.82%	4.3931	0.30222	2.95%
009.09	34	33	7.7196	1.1559	7.7817	1.2365	0.14994	15.89%	1.1236	0.38341	1.1873	14.56%	4.97%	15.38%	3.0966	0.46549	2.94%
009.99	3	2	6.2475	1.4390	6.2475	1.4390	1.0175	23.03%	1.4366	0.11543	1.4413	23.00%	1.85%	23.07%	12.486	0.64333	3.04%
010.03	3	3	8.5017	0.77597	8.5017	0.77597	0.44801	9.13%	0.75783	0.23590	0.79370	8.91%	2.77%	9.34%	3.3645	0.25667	2.90%
010.11	5	5	8.7180	0.54558	8.7180	0.54558	0.24399	6.26%	0.54291	0.07629	0.54824	6.23%	0.88%	6.29%	7.1864	0.08800	2.89%
010.99	9	8	8.9358	0.47796	8.8537	0.41209	0.09713	4.65%	0.46664	0.14621	0.48901	5.22%	1.64%	5.47%	3.3446	0.22389	2.88%
011.01	62	55	10.065	0.34139	10.073	0.33085	0.03020	3.28%	0.33668	0.07997	0.34605	3.34%	0.79%	3.44%	4.3271	0.10599	2.83%
011.02	2	0															
011.03	2	0															
011.99	3	3	9.5300	0.31109	9.5300	0.31109	0.17961	3.26%	0.28558	0.17445	0.33465	3.00%	1.83%	3.51%	1.9183	0.18667	2.85%
012.00	11	11	38.280	1.9223	38.336	0.70891	0.15114	1.85%	1.9173	0.19630	1.9273	5.01%	0.51%	5.03%	9.8182	0.21364	1.62%
012.01	6	4	35.359	0.60082	35.259	0.79441	0.22933	2.25%	0.55368	0.32992	0.64452	1.57%	0.93%	1.82%	1.9536	0.85058	1.68%
012.02	1		41.160														
012.03	3	3	34.957	2.0675	34.957	2.0675	1.1937	5.91%	2.0305	0.55051	2.1038	5.81%	1.57%	6.02%	3.8216	0.77333	1.69%
012.04	4	4	36.220	2.0243	36.220	2.0243	1.0121	5.59%	2.0196	0.19539	2.0290	5.58%	0.54%	5.60%	10.384	0.20135	1.66%
012.11	3	3	35.887	4.7137	35.887	4.7137	2.7214	13.13%	4.7121	0.16941	4.7152	13.13%	0.47%	13.14%	27.833	0.16667	1.67%
013.00	18	18	6.0047	0.55161	5.9662	0.53964	0.08994	9.04%	0.54397	0.12945	0.55916	9.06%	2.16%	9.31%	4.3194	0.13833	3.06%
013.02	25	22	6.5559	0.31287	6.5500	0.32938	0.04754	5.03%	0.29870	0.13164	0.32642	4.56%	2.01%	4.98%	2.4797	0.18685	3.01%
013.10	8	7	6.1137	0.20814	6.0972	0.20904	0.05226	3.43%	0.19385	0.10719	0.22151	3.17%	1.75%	3.62%	2.0665	0.12821	3.05%
013.13	4	4	6.5741	0.44999	6.5741	0.44999	0.22499	6.84%	0.44466	0.09766	0.45526	6.76%	1.49%	6.92%	4.6616	0.13225	3.01%
015.41	5	5	1,265.1	199.37	1,265.1	199.37	89.162	15.76%	196.19	50.202	202.51	15.51%	3.97%	16.01%	4.0338	67.172	5.46%
015.42	1		728.25														
015.43	6	6	887.55	297.31	887.55	337.15	97.327	37.99%	296.93	21.228	297.69	33.46%	2.39%	33.54%	14.023	23.918	5.76%
015.53	1		1,570.0														
017.41	2	0															
017.42	4	4	10.548	2.1514	10.548	2.1514	1.0757	20.40%	2.0324	0.99786	2.2641	19.27%	9.46%	21.47%	2.2690	1.0650	11.22%
017.43	7	6	10.253	0.75433	9.9644	0.87095	0.23277	8.74%	0.72932	0.27241	0.77854	7.11%	2.66%	7.59%	2.8579	0.25571	11.32%

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017.53	1		9.6000														
019.00	17	17	1.1409	0.10159	1.1324	0.08451	0.01449	7.46%	0.10083	0.01755	0.10235	8.84%	1.54%	8.97%	5.8316	0.01862	3.93%
019.02	1		1.0500														
019.03	1		1.2441														
019.08	7	6	1.1785	0.07317	1.1601	0.09366	0.02503	8.07%	0.07193	0.01902	0.07440	6.10%	1.61%	6.31%	3.9121	0.03114	3.91%
019.09	1		1.3275														
019.31	23	19	1.1181	0.03885	1.1162	0.04618	0.00713	4.14%	0.03665	0.01821	0.04093	3.28%	1.63%	3.66%	2.2474	0.02550	3.93%
019.32	7	6	1.1341	0.01707	1.1306	0.02058	0.00550	1.82%	0.01006	0.01949	0.02194	0.89%	1.72%	1.93%	1.1254	0.03206	3.93%
019.41	35	34	1.1288	0.06142	1.1285	0.06256	0.00759	5.54%	0.06035	0.01613	0.06247	5.35%	1.43%	5.53%	3.8721	0.01815	3.93%
019.42	22	20	1.1209	0.06783	1.1216	0.05545	0.00856	4.94%	0.06244	0.03745	0.07281	5.57%	3.34%	6.50%	1.9443	0.03665	3.93%
019.43	22	20	1.1272	0.07903	1.1286	0.07680	0.01158	6.80%	0.07823	0.01584	0.07982	6.94%	1.41%	7.08%	5.0381	0.01975	3.93%
019.44	3	3	1.1383	0.05008	1.1383	0.05008	0.02892	4.40%	0.04203	0.03851	0.05701	3.69%	3.38%	5.01%	1.4802	0.04333	3.92%
019.52	3	3	1.1229	0.07444	1.1229	0.07444	0.04298	6.63%	0.07148	0.02940	0.07729	6.37%	2.62%	6.88%	2.6290	0.03490	3.93%
019.53	2	0															
019.99	6	6	1.1413	0.14899	1.1413	0.16896	0.04877	14.80%	0.14636	0.03942	0.15158	12.82%	3.45%	13.28%	3.8451	0.04950	3.92%
021.31	4	4	1.0505	0.16959	1.0505	0.16959	0.08480	16.14%	0.10862	0.18419	0.21383	10.34%	17.53%	20.36%	1.1609	0.24350	15.88%
021.34	1		1.1850														
021.41	3	3	0.92255	0.12215	0.92255	0.12215	0.07052	13.24%	0.11801	0.04455	0.12614	12.79%	4.83%	13.67%	2.8317	0.04923	16.19%
021.42	2	0															
021.43	5	4	0.99460	0.12003	0.99460	0.12003	0.06002	12.07%	0.10546	0.08106	0.13301	10.60%	8.15%	13.37%	1.6410	0.07228	16.01%
021.51	1		0.51500														
021.52	1		0.57000														
021.53	4	4	0.64904	0.27874	0.64904	0.27874	0.13937	42.95%	0.25877	0.14650	0.29736	39.87%	22.57%	45.82%	2.0298	0.17793	17.07%
022.31	13	11	258.32	12.178	261.24	8.6530	1.7663	3.31%	12.073	2.2562	12.282	4.67%	0.87%	4.75%	5.4434	2.6298	6.92%
022.32	4	4	292.53	25.743	292.53	25.743	12.872	8.80%	25.211	7.3694	26.266	8.62%	2.52%	8.98%	3.5642	9.4000	6.81%
022.33	1		263.91														
022.41	28	25	261.48	16.178	259.82	14.725	1.9677	5.67%	15.514	6.4891	16.817	5.93%	2.48%	6.43%	2.5915	8.2871	6.93%
022.42	20	15	279.02	11.772	279.91	12.182	2.0892	4.35%	11.533	3.3336	12.005	4.13%	1.19%	4.30%	3.6013	4.4318	6.85%
022.43	19	17	269.36	16.298	272.01	9.7646	1.6274	3.59%	15.988	4.4779	16.603	5.94%	1.66%	6.16%	3.7077	6.1244	6.88%
022.44	2	0															
022.52	1		303.00														
022.53	3	3	289.02	9.5119	289.02	9.5119	5.4917	3.29%	9.4052	2.0087	9.6173	3.25%	0.70%	3.33%	4.7878	2.3000	6.82%
022.99	2	0															
025.31	16	14	732.56	85.960	737.21	60.860	10.759	8.26%	85.542	11.967	86.375	11.68%	1.63%	11.79%	7.2178	20.309	5.92%
025.32	4	4	716.36	558.52	716.36	558.52	279.26	77.97%	558.35	19.476	558.69	77.94%	2.72%	77.99%	28.686	20.425	5.95%
025.33	1		683.61														
025.41	31	28	719.06	55.706	718.97	49.716	6.4183	6.91%	54.324	17.436	57.054	7.55%	2.42%	7.93%	3.2723	19.844	5.94%
025.42	17	15	596.29	68.446	587.10	81.147	13.917	13.82%	67.268	17.877	69.603	11.28%	3.00%	11.67%	3.8936	20.646	6.13%
025.43	20	18	659.39	101.31	647.82	102.81	16.255	15.87%	100.03	22.717	102.58	15.17%	3.45%	15.56%	4.5155	30.211	6.04%
025.52	2	0															
025.53	1		350.00														
025.99	2	0															
027.31	15	14	0.16829	0.00830	0.16767	0.00812	0.00154	4.84%	0.00795	0.00336	0.00863	4.72%	2.00%	5.13%	2.5682	0.00304	5.23%

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027.32	5	4	0.16025	0.00445	0.16025	0.00445	0.00223	2.78%	0.00349	0.00392	0.00524	2.18%	2.44%	3.27%	1.3391	0.00332	5.27%
027.33	1		0.16500														
027.34	1		1.5560														
027.41	30	28	0.17086	0.00808	0.17098	0.00801	0.00105	4.68%	0.00757	0.00401	0.00856	4.43%	2.35%	5.01%	2.1362	0.00390	5.22%
027.42	20	19	0.15937	0.01161	0.15921	0.01282	0.00208	8.05%	0.01054	0.00688	0.01259	6.61%	4.32%	7.90%	1.8298	0.00684	5.27%
027.43	18	17	0.16460	0.01423	0.16462	0.01493	0.00256	9.07%	0.01399	0.00369	0.01447	8.50%	2.24%	8.79%	3.9259	0.00399	5.25%
027.44	3	3	0.16700	0.00676	0.16700	0.00676	0.00391	4.05%	0.00640	0.00311	0.00711	3.83%	1.86%	4.26%	2.2875	0.00333	5.24%
027.52	1		0.19345														
027.53	2	0															
027.99	3	3	0.15000	0.01803	0.15000	0.01803	0.01041	12.02%	0.01756	0.00577	0.01848	11.71%	3.85%	12.32%	3.2016	0.00667	5.32%
028.31	14	13	55.567	1.9999	55.856	2.4988	0.47223	4.47%	1.7956	1.2453	2.1851	3.23%	2.24%	3.93%	1.7547	1.4942	8.73%
028.32	4	3	57.653	1.7580	57.653	1.7580	1.0150	3.05%	1.7281	0.45644	1.7874	3.00%	0.79%	3.10%	3.9159	1.5925	8.69%
028.33	1		48.945														
028.41	29	28	55.562	2.5977	55.553	2.5296	0.33803	4.55%	2.4164	1.3486	2.7672	4.35%	2.43%	4.98%	2.0519	1.5142	8.74%
028.42	21	19	57.437	4.1690	58.014	4.2085	0.64939	7.25%	3.6160	2.9344	4.6568	6.30%	5.11%	8.11%	1.5870	3.8381	8.68%
028.43	19	19	56.210	3.6077	56.220	3.7640	0.61060	6.70%	3.4927	1.2782	3.7192	6.21%	2.27%	6.62%	2.9098	1.2877	8.72%
028.44	3	3	54.900	6.5023	54.900	6.5023	3.7541	11.84%	6.1487	2.9911	6.8376	11.20%	5.45%	12.45%	2.2860	3.3333	8.75%
028.52	1		69.500														
028.53	2	0															
028.99	2	0															
031.00	1		0.70500														
031.01	42	40	0.68584	0.03164	0.68607	0.02697	0.00298	3.93%	0.02974	0.01529	0.03344	4.34%	2.23%	4.88%	2.1865	0.01861	4.23%
031.02	4	4	0.68681	0.01028	0.68681	0.01028	0.00514	1.50%	0.00822	0.00872	0.01199	1.20%	1.27%	1.75%	1.3744	0.01073	4.23%
031.03	5	4	0.68951	0.01174	0.68951	0.01174	0.00587	1.70%	0.01058	0.00721	0.01280	1.53%	1.05%	1.86%	1.7751	0.20482	4.23%
031.06	2	0															
031.41	33	32	0.68643	0.03267	0.68664	0.03189	0.00393	4.64%	0.03172	0.01105	0.03359	4.62%	1.61%	4.89%	3.0397	0.01241	4.23%
031.42	22	19	0.66408	0.04136	0.66682	0.04110	0.00650	6.16%	0.03953	0.01721	0.04312	5.95%	2.59%	6.49%	2.5051	0.02037	4.25%
031.43	22	20	0.67655	0.02247	0.67517	0.02545	0.00393	3.77%	0.02175	0.00800	0.02317	3.21%	1.18%	3.42%	2.8976	0.00990	4.24%
031.44	3	2	0.65000	0.00000	0.65000	0.00000	0.00000	0.00%		0.01300			2.00%			0.04000	4.27%
031.52	1		0.70655														
031.53	2	0															
031.99	6	5	0.64800	0.05155	0.64800	0.05155	0.01630	7.96%	0.05087	0.01183	0.05223	7.85%	1.83%	8.06%	4.4139	0.01200	4.27%
032.02	2	0															
032.08	1		0.90100														
032.31	14	12	0.86888	0.06506	0.87518	0.03932	0.00771	4.49%	0.06433	0.01374	0.06578	7.40%	1.58%	7.57%	4.7867	0.01369	4.08%
032.32	3	2	0.87075	0.02015	0.87075	0.02015	0.01425	2.31%	0.01674	0.01588	0.02307	1.92%	1.82%	2.65%	1.4530	0.34680	4.08%
032.41	26	23	0.86824	0.04991	0.86548	0.05930	0.00822	6.85%	0.04842	0.01709	0.05135	5.58%	1.97%	5.91%	3.0052	0.01968	4.09%
032.42	18	16	0.89184	0.08655	0.89230	0.08730	0.01497	9.78%	0.08478	0.02457	0.08827	9.51%	2.76%	9.90%	3.5927	0.03043	4.07%
032.43	17	15	0.85567	0.04440	0.85480	0.03718	0.00638	4.35%	0.04343	0.01306	0.04535	5.08%	1.53%	5.30%	3.4726	0.01926	4.10%
032.44	2	0															
032.52	1		1.0038														
032.53	2	0															
032.99	3	2	0.78000	0.09899	0.78000	0.09899	0.07000	12.69%	0.09899	0.00000	0.09899	12.69%	0.00%	12.69%		0.01000	4.15%

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033.00	29	27	0.51761	0.05141	0.51506	0.04612	0.00616	8.95%	0.04814	0.02552	0.05449	9.30%	4.93%	10.53%	2.1348	0.03023	4.42%
033.01	35	31	0.57534	0.02099	0.57676	0.02215	0.00269	3.84%	0.02035	0.00725	0.02161	3.54%	1.26%	3.76%	2.9801	0.00841	4.35%
033.03	5	4	0.52375	0.01493	0.52375	0.01493	0.00747	2.85%		0.04198			8.02%		0.03800	4.41%	
033.05	3	3	0.83500	0.44618	0.83500	0.44618	0.25760	53.43%	0.44580	0.02614	0.44656	53.39%	3.13%	53.48%	17.083	0.03000	4.11%
033.99	8	8	0.61375	0.08869	0.60033	0.06941	0.01735	11.56%	0.08606	0.03030	0.09124	14.02%	4.94%	14.87%	3.0109	0.03600	4.32%
034.01	1		0.48990														
034.04	4	3	0.52167	0.08949	0.52167	0.08949	0.05167	17.15%	0.08775	0.02483	0.09120	16.82%	4.76%	17.48%	3.6724	0.26750	17.64%
034.41	1		0.55005														
034.43	1		0.37060														
034.51	1		0.56500														
034.52	4	4	0.65363	0.07544	0.65363	0.07544	0.03772	11.54%	0.07302	0.02682	0.07779	11.17%	4.10%	11.90%	2.9007	0.03275	17.05%
034.53	5	5	0.68638	0.07027	0.68638	0.07027	0.03142	10.24%	0.05330	0.06474	0.08386	7.77%	9.43%	12.22%	1.2953	0.06916	16.93%
034.99	2	0															
035.01	2	0															
035.05	6	6	0.24171	0.01996	0.23908	0.01821	0.00526	7.62%	0.01762	0.01326	0.02206	7.29%	5.49%	9.12%	1.6632	0.01508	4.96%
035.31	18	16	0.24559	0.02024	0.24391	0.01703	0.00292	6.98%	0.01900	0.00988	0.02141	7.74%	4.02%	8.72%	2.1680	0.01248	4.95%
035.32	4	3	0.23517	0.06835	0.23517	0.06835	0.03946	29.06%	0.06825	0.00530	0.06845	29.02%	2.25%	29.11%	12.915	0.00540	4.97%
035.41	35	33	0.23812	0.01557	0.23845	0.01343	0.00163	5.63%	0.01475	0.00705	0.01635	6.20%	2.96%	6.87%	2.3203	0.00788	4.96%
035.42	20	18	0.24332	0.02098	0.24576	0.02313	0.00375	9.41%	0.02011	0.00844	0.02181	8.26%	3.47%	8.96%	2.5827	0.01086	4.94%
035.43	17	16	0.23550	0.01758	0.23558	0.01711	0.00293	7.26%	0.01691	0.00681	0.01823	7.18%	2.89%	7.74%	2.6749	0.00778	4.97%
035.52	1		0.26810														
035.53	2	0															
035.99	3	2	0.26000	0.00707	0.26000	0.00707	0.00500	2.72%		0.01581			6.08%		0.02000	4.90%	
036.00	1		0.33000														
036.04	4	4	0.32550	0.01725	0.32550	0.01725	0.00863	5.30%	0.01686	0.00520	0.01764	5.18%	1.60%	5.42%	3.3948	0.00600	4.74%
036.42	21	18	0.30598	0.01320	0.30611	0.01520	0.00240	4.96%	0.01139	0.00945	0.01480	3.72%	3.09%	4.84%	1.5663	0.00886	4.78%
036.43	11	10	0.31489	0.01901	0.31217	0.01574	0.00352	5.04%	0.01843	0.00663	0.01958	5.85%	2.10%	6.22%	2.9550	0.00725	4.77%
036.53	1		0.32000														
036.99	2	0															
037.31	17	14	2,620.0	367.55	2,689.1	99.487	17.587	3.70%	367.03	27.812	368.08	14.01%	1.06%	14.05%	13.235	28.479	4.87%
037.32	6	5	2,753.3	157.92	2,720.3	184.62	53.295	6.79%	143.59	92.958	171.06	5.22%	3.38%	6.21%	1.8402	176.50	4.87%
037.33	2	0															
037.41	30	26	2,789.3	201.06	2,759.7	197.54	25.939	7.16%	196.19	62.200	205.82	7.03%	2.23%	7.38%	3.3090	67.167	4.85%
037.42	21	18	2,827.4	152.71	2,787.3	153.18	24.219	5.50%	145.78	64.328	159.34	5.16%	2.28%	5.64%	2.4770	61.575	4.85%
037.43	23	21	2,752.1	165.76	2,741.9	123.87	18.673	4.52%	163.04	42.273	168.43	5.92%	1.54%	6.12%	3.9843	46.214	4.86%
037.44	2	0															
037.52	3	3	2,843.0	224.58	2,843.0	224.58	129.66	7.90%	221.10	55.743	228.01	7.78%	1.96%	8.02%	4.0904	72.667	4.83%
037.53	2	0															
037.99	3	3	2,435.5	545.25	2,435.5	545.25	314.80	22.39%	544.97	24.702	545.53	22.38%	1.01%	22.40%	22.085	28.333	4.95%
038.34	1		1.5100														
038.41	3	3	0.90750	0.06159	0.90750	0.06159	0.03556	6.79%	0.06062	0.01540	0.06255	6.68%	1.70%	6.89%	4.0605	0.01720	16.23%
038.42	4	3	0.96567	0.16947	0.96567	0.16947	0.09785	17.55%	0.16653	0.04447	0.17237	17.25%	4.60%	17.85%	3.8762	0.36050	16.08%
038.43	7	6	0.99818	0.13399	0.99161	0.13903	0.04014	14.02%	0.02613	0.18585	0.18768	2.62%	18.62%	18.80%	1.0098	0.17688	16.02%

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038.51	1		0.87500														
038.52	1		1.0500														
038.53	4	3	0.92127	0.15548	0.92127	0.15548	0.08976	16.88%	0.15400	0.03022	0.15694	16.72%	3.28%	17.03%	5.1936	0.09435	16.20%
040.42	1		13.060														
040.43	1		10.745														
040.52	1		14.500														
041.52	1		1.1000														
041.53	1		1.0600														
042.00	2	0															
042.99	2	0															
051.00	6	5	90.781	10.755	86.664	10.888	3.1430	12.56%	10.687	1.7016	10.822	11.77%	1.87%	11.92%	6.3598	1.8770	8.17%
051.03	13	13	85.041	18.081	83.230	15.159	2.9728	18.21%	17.888	3.7253	18.272	21.03%	4.38%	21.49%	4.9049	3.8677	8.22%
057.01	1		0.43000														
073.03	1		0.00000														
074.00	2	0															
074.02	1		26.500														
082.00	2	0															
082.01	7	6	97.721	12.784	94.202	16.929	4.5246	17.97%	12.619	2.9018	12.948	12.91%	2.97%	13.25%	4.4620	2.8666	8.07%
082.02	1		108.95														
101.01	1		885.50														
101.02	1		1,655.0														
102.01	2	0															
102.02	1		10.473														
103.01	1		54.250														
103.02	1		40.065														
103.99	1		62.000														
104.00	3	3	9.1917	1.0665	9.1917	1.0665	0.61573	11.60%	1.0216	0.43276	1.1095	11.11%	4.71%	12.07%	2.5638	0.47667	11.46%
104.03	3	3	6.3900	2.6233	6.3900	2.6233	1.5145	41.05%	2.6069	0.41340	2.6395	40.80%	6.47%	41.31%	6.3848	0.50667	12.10%
105.00	3	2	1.3125	1.0783	1.3125	1.0783	0.76250	82.16%	1.0783	0.00500	1.0783	82.16%	0.38%	82.16%	215.67	0.09000	15.36%
105.01	1		2.0000														
106.00	1		4.0150														
106.01	1		3.6750														
106.02	16	13	3.3162	1.2178	3.5193	1.2630	0.22327	35.89%	1.2010	0.28481	1.2343	36.22%	8.59%	37.22%	4.3339	0.51250	
107.00	1		83.600														
107.99	1		40.000														
108.02	5	4	1.5838	0.59061	1.5838	0.59061	0.29531	37.29%	0.58489	0.11603	0.59628	36.93%	7.33%	37.65%	5.1391	0.84600	
108.99	1		1.2200														
109.02	15	13	52.130	10.296	52.195	9.6512	1.8239	18.49%	10.209	1.8889	10.382	19.58%	3.62%	19.92%	5.4964	2.5150	8.82%
112.99	1		3.8000														
113.01	1		2.7250														
113.99	1		3.0000														
114.01	1		0.45900														
120.00	17	15	1.1339	0.02598	1.1323	0.02555	0.00452	2.26%	0.02425	0.01317	0.02760	2.14%	1.16%	2.43%	2.0950	0.01446	3.93%

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120.01	2	0															
120.02	2	0															
120.05	4	4	1.0678	0.04359	1.0678	0.04359	0.02180	4.08%	0.04273	0.01220	0.04444	4.00%	1.14%	4.16%	3.6436	0.01200	3.96%
120.99	1		1.0750														
121.00	17	15	1.2421	0.02239	1.2385	0.02554	0.00452	2.06%	0.02085	0.01154	0.02383	1.68%	0.93%	1.92%	2.0640	0.01315	3.87%
121.01	2	0															
121.02	2	0															
121.05	4	4	1.2329	0.01968	1.2329	0.01968	0.00984	1.60%		0.04429			3.59%		0.06125	3.88%	
121.99	1		1.4400														
122.00	17	16	1.9679	0.04892	1.9602	0.03848	0.00660	1.96%	0.04728	0.01779	0.05051	2.40%	0.90%	2.57%	2.8402	0.02261	3.61%
122.01	2	0															
122.02	2	0															
122.05	4	4	1.9308	0.07952	1.9308	0.07952	0.03976	4.12%	0.06591	0.06292	0.09112	3.41%	3.26%	4.72%	1.4482	0.07300	3.62%
122.99	1		1.4050														
124.00	16	14	0.31093	0.01750	0.31130	0.01779	0.00325	5.72%	0.01718	0.00472	0.01782	5.53%	1.52%	5.73%	3.7746	0.00600	4.77%
124.01	1		0.30200														
124.02	2	0															
124.05	2	0															
124.99	2	0															
125.00	17	16	3.3910	0.09639	3.3886	0.08694	0.01491	2.57%	0.09362	0.03242	0.09908	2.76%	0.96%	2.92%	3.0558	0.03143	3.33%
125.01	2	0															
125.02	2	0															
125.05	4	4	3.2980	0.19812	3.2980	0.19812	0.09906	6.01%	0.19313	0.06251	0.20299	5.86%	1.90%	6.16%	3.2474	0.07850	3.34%
125.99	1		3.5750														
126.00	17	17	1.0405	0.02714	1.0410	0.02973	0.00510	2.86%	0.02607	0.01072	0.02818	2.50%	1.03%	2.71%	2.6290	0.01156	3.98%
126.01	2	0															
126.02	2	0															
126.05	4	3	1.0457	0.08051	1.0457	0.08051	0.04648	7.70%	0.08043	0.00503	0.08059	7.69%	0.48%	7.71%	16.011	0.01875	3.97%
126.99	1		1.2150														
127.00	17	15	0.54947	0.01876	0.54840	0.01407	0.00249	2.57%	0.01771	0.00873	0.01975	3.22%	1.59%	3.59%	2.2622	0.01057	4.38%
127.01	1		0.50400														
127.02	2	0															
127.05	4	4	0.54313	0.04636	0.54313	0.04636	0.02318	8.54%	0.04196	0.02787	0.05037	7.73%	5.13%	9.27%	1.8072	0.03225	4.38%
127.99	1		0.58000														
128.00	16	14	0.78649	0.03606	0.78921	0.02237	0.00395	2.83%	0.03497	0.01248	0.03713	4.45%	1.59%	4.72%	2.9755	0.01664	4.14%
128.01	2	0															
128.02	2	0															
128.05	4	4	0.75300	0.04301	0.75300	0.04301	0.02151	5.71%	0.03845	0.02726	0.04713	5.11%	3.62%	6.26%	1.7291	0.03100	4.17%
128.99	1		0.78000														
129.00	17	14	1.7661	0.02345	1.7603	0.02893	0.00511	1.64%	0.02166	0.01270	0.02511	1.23%	0.72%	1.42%	1.9769	0.01663	3.67%
129.01	2	0															
129.02	2	0															
129.05	4	4	1.7055	0.08594	1.7055	0.08594	0.04297	5.04%	0.08259	0.03362	0.08917	4.84%	1.97%	5.23%	2.6524	0.03800	3.69%

Method Code	Total # Labs Submitting	# Labs in Method Precision Calcs	Mean	SD	Assigned Value - Robust Mean	AAFCO CS #fp - 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
129.99	1		1.6800														
130.00	17	16	1.2206	0.03940	1.2166	0.02838	0.00502	2.33%	0.03765	0.01643	0.04107	3.08%	1.35%	3.37%	2.5004	0.01747	3.88%
130.01	3	3	1.1810	0.02784	1.1810	0.02784	0.01607	2.36%	0.02778	0.00258	0.02790	2.35%	0.22%	2.36%	10.805	0.00267	3.90%
130.02	2	0															
130.05	6	6	1.2416	0.07358	1.2340	0.06606	0.01907	5.35%	0.06959	0.03381	0.07737	5.61%	2.72%	6.23%	2.2884	0.03783	3.88%
130.99	2	0															
131.00	16	16	0.41725	0.01776	0.41675	0.01896	0.00335	4.55%	0.01682	0.00807	0.01865	4.03%	1.93%	4.47%	2.3110	0.00886	4.56%
131.01	1		0.41850														
131.02	2	0															
131.05	3	2	0.41550	0.03606	0.41550	0.03606	0.02550	8.68%	0.03606	0.00100	0.03607	8.68%	0.24%	8.68%	36.069	0.00900	4.56%
131.99	2	0															
132.00	17	16	0.94708	0.03646	0.95525	0.02896	0.00497	3.03%	0.03594	0.00868	0.03697	3.80%	0.92%	3.90%	4.2600	0.01141	4.03%
132.01	2	0															
132.02	2	0															
132.05	4	4	0.93888	0.04008	0.93888	0.04008	0.02004	4.27%	0.03026	0.03716	0.04792	3.22%	3.96%	5.10%	1.2897	0.04425	4.04%
132.99	1		1.0150														
133.00	17	15	1.2610	0.03901	1.2559	0.04710	0.00833	3.75%	0.03741	0.01564	0.04055	2.97%	1.24%	3.22%	2.5931	0.01753	3.86%
133.05	4	3	1.1903	0.00801	1.1903	0.00801	0.00462	0.67%		0.01372			1.15%		0.01975	3.90%	
133.99	2	0															
134.00	17	17	0.97161	0.04106	0.96989	0.03624	0.00622	3.74%	0.03837	0.02067	0.04358	3.95%	2.13%	4.49%	2.1087	0.02195	4.02%
134.01	2	0															
134.02	2	0															
134.05	4	4	0.97375	0.08218	0.97375	0.08218	0.04109	8.44%	0.08111	0.01873	0.08324	8.33%	1.92%	8.55%	4.4431	0.02400	4.02%
134.99	1		1.0650														
135.00	17	15	0.83574	0.01844	0.83354	0.02112	0.00373	2.53%	0.01796	0.00592	0.01891	2.15%	0.71%	2.26%	3.1940	0.00789	4.11%
135.01	2	0															
135.02	2	0															
135.05	4	4	0.82763	0.03708	0.82763	0.03708	0.01854	4.48%	0.03437	0.01969	0.03961	4.15%	2.38%	4.79%	2.0119	0.02375	4.12%
135.99	1		0.78000														
136.00	4	3	0.27690	0.00909	0.27690	0.00909	0.00525	3.28%	0.00906	0.00099	0.00912	3.27%	0.36%	3.29%	9.2409	0.00830	4.85%
136.01	5	5	0.23270	0.01968	0.23270	0.01968	0.00880	8.46%	0.01957	0.00285	0.01978	8.41%	1.22%	8.50%	6.9500	0.00260	4.98%
136.02	2	0															
136.03	3	3	0.23183	0.01806	0.23183	0.01806	0.01043	7.79%	0.01790	0.00339	0.01822	7.72%	1.46%	7.86%	5.3717	0.00433	4.98%
136.99	1		0.25000														
137.00	13	11	0.62156	0.06951	0.64107	0.03566	0.00728	5.56%	0.06905	0.01132	0.06997	11.11%	1.82%	11.26%	6.1807	0.01773	4.28%
137.01	2	0															
137.02	2	0															
137.05	4	4	0.64138	0.06421	0.64138	0.06421	0.03210	10.01%	0.06321	0.01596	0.06519	9.86%	2.49%	10.16%	4.0854	0.01825	4.28%
137.99	1		0.74000														
138.00	17	14	0.97198	0.03190	0.96994	0.03286	0.00581	3.39%	0.03148	0.00728	0.03231	3.24%	0.75%	3.32%	4.4375	0.01151	4.02%
138.01	2	0															
138.02	2	0															
138.05	4	4	0.98288	0.05537	0.98288	0.05537	0.02768	5.63%	0.05100	0.03048	0.05941	5.19%	3.10%	6.04%	1.9494	0.03275	4.01%



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138.99	1		0.93000														
139.00	2	0															
139.02	1		0.00000														
139.05	1		0.00000														
160.99	5	4	0.12360	0.08980	0.12360	0.08980	0.04490	72.65%	0.08915	0.01520	0.09044	72.13%	12.30%	73.17%	5.9493	0.39816	5.48%
161.99	2	0															
162.99	5	4	0.21813	0.06844	0.21813	0.06844	0.03422	31.37%	0.06322	0.03706	0.07328	28.98%	16.99%	33.60%	1.9776	0.06940	5.03%
163.99	5	5	6.0100	0.64520	6.0100	0.64520	0.28854	10.74%	0.62293	0.23770	0.66674	10.36%	3.96%	11.09%	2.8050	0.30400	3.05%
164.99	3	3	0.08167	0.07286	0.08167	0.07286	0.04206	89.21%	0.07252	0.00987	0.07319	88.80%	12.08%	89.62%	7.4187	0.01067	5.83%
165.99	4	4	2.0515	0.35890	2.0515	0.35890	0.17945	17.49%	0.35135	0.10352	0.36628	17.13%	5.05%	17.85%	3.5382	0.11400	3.59%
166.99	1		0.46700														
167.99	1		1.1690														
200.99	1		0.01000														
210.99	1		1.6550														
400.01	4	4	0.49281	0.03641	0.49281	0.03641	0.01820	7.39%	0.03456	0.01618	0.03816	7.01%	3.28%	7.74%	2.3586	0.01883	
400.99	1		0.49700														
516.00	4	3	0.21833	0.09929	0.21833	0.09929	0.05732	45.48%	0.09925	0.00408	0.09933	45.46%	1.87%	45.50%	24.331	0.01750	20.11%
516.34	1		0.13850														
516.43	2	0															
516.52	2	0															
516.53	5	5	0.27150	0.04437	0.27150	0.04437	0.01985	16.34%	0.04149	0.02225	0.04708	15.28%	8.20%	17.34%	2.1159	0.02532	19.46%
518.34	1		0.03000														
518.41	3	2	0.06225	0.00318	0.06225	0.00318	0.00225	5.11%	0.00316	0.00050	0.00320	5.08%	0.80%	5.14%	6.4031	0.00767	22.00%
518.43	3	2	0.05868	0.00541	0.05868	0.00541	0.00383	9.22%	0.00540	0.00040	0.00542	9.21%	0.69%	9.23%	13.438	0.03033	22.00%
518.51	1		0.09500														
518.52	1		0.00000														
518.53	5	4	0.05534	0.00106	0.05534	0.00106	0.00053	1.91%		0.00450			8.13%			0.00654	22.00%
520.41	2	0															
520.43	4	4	5.0035	0.62705	5.0035	0.62705	0.31352	12.53%	0.59624	0.27455	0.65641	11.92%	5.49%	13.12%	2.3909	0.31923	12.55%
520.52	1		4.9000														
520.53	3	3	3.9501	1.0226	3.9501	1.0226	0.59040	25.89%	0.98740	0.37622	1.0566	25.00%	9.52%	26.75%	2.8086	0.52783	13.01%
520.99	1		6.5675														
526.32	1		0.35500														
526.34	1		0.19500														
526.41	2	0															
526.43	2	0															
526.51	1		0.88000														
526.52	1		0.85500														
526.53	5	5	0.82218	0.07111	0.82218	0.07111	0.03180	8.65%	0.06048	0.05290	0.08035	7.36%	6.43%	9.77%	1.5190	0.05972	16.48%
529.00	2	0															
529.99	5	4	2.6316	3.6851	2.6316	3.6851	1.8426	140.03%	3.6847	0.08246	3.6856	140.02%	3.13%	140.05%	44.694	1.2642	22.00%
539.41	2	0															
539.43	3	3	4.1937	0.30875	4.1937	0.30875	0.17826	7.36%	0.26013	0.23519	0.35069	6.20%	5.61%	8.36%	1.4911	0.22130	12.89%

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539.52	1		3.8000														
539.53	4	4	3.7489	0.66730	3.7489	0.66730	0.33365	17.80%	0.66190	0.11983	0.67266	17.66%	3.20%	17.94%	5.6137	0.12568	13.11%
600.01	3	2	2.6000	1.0607												0.30000	
600.20	1		0.00000														
600.98	1		11.850														
610.01	2	0															
640.01	1		121.05														
650.01	2	0															