

**AAFCO Check Sample Program**  
**Method Performance & Summary Report**



**AAFCO**  
**Check Sample Program**



**Sample # 201625**  
**Swine Feed, Medicated**  
**Regular Program**

**# Labs Reporting: 198**  
**Issue Date : 06/30/2016**

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		0.40000														
001.00	7	6	8.1828	0.50814	7.9840	0.79537	0.30062	9.96%	0.50239	0.10782	0.51383	6.14%	1.32%	6.28%	4.7655	0.10573	2.93%
001.03	4	4	8.5650	0.15979	8.5650	0.15979	0.07990	1.87%	0.15924	0.01871	0.16034	1.86%	0.22%	1.87%	8.5704	0.02000	2.90%
001.05	1		8.2200														
001.07	38	35	8.4191	0.41475	8.3692	0.33079	0.05438	3.95%	0.40603	0.11968	0.42330	4.82%	1.42%	5.03%	3.5368	0.12538	2.91%
001.08	2	0															
001.99	16	14	8.1582	0.47969	8.2035	0.48603	0.12151	5.92%	0.47703	0.07144	0.48235	5.85%	0.88%	5.91%	6.7518	0.08219	2.91%
002.00	4	4	19.920	0.93594	19.920	0.93594	0.46797	4.70%	0.92837	0.16798	0.94344	4.66%	0.84%	4.74%	5.6166	0.18625	2.24%
002.01	13	12	19.842	0.13664	19.863	0.17260	0.04787	0.87%	0.12201	0.08699	0.14985	0.61%	0.44%	0.76%	1.7225	0.09208	2.24%
002.02	2	0															
002.04	5	5	19.674	0.48121	19.674	0.48121	0.21521	2.45%	0.45521	0.22068	0.50588	2.31%	1.12%	2.57%	2.2924	0.25200	2.25%
002.05	31	28	19.870	0.18411	19.886	0.16550	0.03022	0.83%	0.17073	0.09744	0.19658	0.86%	0.49%	0.99%	2.0175	0.10521	2.24%
002.06	124	112	20.117	0.24610	20.111	0.23375	0.02108	1.16%	0.23102	0.11996	0.26031	1.15%	0.60%	1.29%	2.1699	0.15063	2.23%
002.08	3	2	19.900	0.14142	19.900	0.14142	0.10000	0.71%	0.14071	0.02000	0.14213	0.71%	0.10%	0.71%	7.1063	0.22567	2.24%
002.10	1		20.145														
002.11	11	8	21.225	0.82035	21.288	1.1439	0.36172	5.37%	0.81526	0.12905	0.82541	3.84%	0.61%	3.89%	6.3958	0.42510	2.17%
002.99	4	3	19.287	0.72947	19.287	0.72947	0.42116	3.78%	0.72929	0.02309	0.72966	3.78%	0.12%	3.78%	31.595	0.07000	2.28%
003.00	18	15	4.6341	0.29446	4.6003	0.34757	0.08430	7.56%	0.28747	0.09020	0.30129	6.20%	1.95%	6.50%	3.3401	0.11378	3.18%
003.01	2	0															
003.06	17	16	4.7034	0.16512	4.6697	0.13050	0.03165	2.79%	0.15696	0.07252	0.17290	3.34%	1.54%	3.68%	2.3842	0.08846	3.17%
003.09	20	18	4.6439	0.20465	4.6440	0.18499	0.04244	3.98%	0.20205	0.04604	0.20723	4.35%	0.99%	4.46%	4.5012	0.06159	3.17%
003.10	30	27	4.5190	0.20129	4.5270	0.20651	0.03835	4.56%	0.19518	0.06957	0.20721	4.32%	1.54%	4.59%	2.9783	0.09053	3.19%
003.11	10	9	4.6411	0.57405	4.6411	0.65097	0.21699	14.03%	0.57354	0.03416	0.57455	12.36%	0.74%	12.38%	16.821	0.04000	3.17%
003.12	4	3	4.3883	0.30464	4.3883	0.30464	0.17589	6.94%	0.30403	0.02739	0.30526	6.93%	0.62%	6.96%	11.146	0.13750	3.20%
003.13	7	7	4.4811	0.27229	4.4811	0.30878	0.11671	6.89%	0.24343	0.17252	0.29837	5.43%	3.85%	6.66%	1.7294	0.16490	3.19%
003.14	40	39	3.7683	0.38603	3.7303	0.39971	0.06320	10.72%	0.37507	0.12916	0.39669	9.95%	3.43%	10.53%	3.0712	0.13717	3.28%
003.99	5	4	5.6313	2.0637	5.6313	2.0637	1.0319	36.65%	2.0630	0.07882	2.0645	36.63%	1.40%	36.66%	26.192	0.21000	3.08%
004.00	21	19	3.6695	0.27670	3.6752	0.28386	0.06194	7.72%	0.26914	0.09087	0.28407	7.33%	2.48%	7.74%	3.1262	0.13500	3.29%
004.01	2	0															
004.03	4	4	3.3457	1.0649	3.3457	1.0649	0.53247	31.83%	1.0505	0.24743	1.0792	31.40%	7.40%	32.26%	4.3616	0.28858	3.33%
004.06	20	19	3.7470	0.34136	3.7434	0.37460	0.08594	10.01%	0.33456	0.09588	0.34803	8.93%	2.56%	9.29%	3.6298	0.10145	3.28%
004.07	62	57	3.5754	0.31222	3.5755	0.30831	0.03948	8.62%	0.29596	0.14062	0.32767	8.28%	3.93%	9.16%	2.3301	0.16208	3.30%

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004.11	9	8	3.5581	0.35484	3.5941	0.31434	0.11114	8.75%	0.35201	0.06329	0.35765	9.89%	1.78%	10.05%	5.6506	0.07625	3.30%
004.99	4	4	3.3075	0.17576	3.3075	0.17576	0.08788	5.31%	0.13478	0.15953	0.20885	4.08%	4.82%	6.31%	1.3091	0.16500	3.34%
005.00	96	89	8.0101	0.09598	8.0126	0.09481	0.00978	1.18%	0.09256	0.03592	0.09928	1.16%	0.45%	1.24%	2.7643	0.04582	2.92%
005.05	22	20	8.0870	0.08216	8.0859	0.08905	0.01899	1.10%	0.07725	0.03953	0.08678	0.96%	0.49%	1.07%	2.1953	0.05123	2.92%
005.11	9	8	6.4276	1.5827	6.3172	1.5328	0.54191	24.26%	1.5805	0.11895	1.5850	24.59%	1.85%	24.66%	13.325	0.12581	3.03%
005.99	9	8	8.0513	0.10183	8.0775	0.14026	0.04675	1.74%	0.09712	0.04330	0.10634	1.21%	0.54%	1.32%	2.4557	0.05222	2.92%
006.00	1		6.4350														
006.01	2	0															
006.05	1		8.3700														
006.99	3	3	7.3864	1.7214	7.3864	1.7214	0.99387	23.31%	1.7103	0.27680	1.7325	23.15%	3.75%	23.46%	6.2591	0.30853	2.96%
008.02	14	13	5.0643	0.37779	5.0577	0.38449	0.10276	7.60%	0.35616	0.17821	0.39825	7.03%	3.52%	7.86%	2.2348	0.22374	3.13%
008.05	1		5.4000														
008.08	37	34	5.0186	0.70644	5.0268	0.70837	0.11974	14.09%	0.69472	0.18123	0.71796	13.84%	3.61%	14.31%	3.9617	0.20179	3.14%
008.99	5	5	4.0704	1.3604	4.0704	1.3604	0.60841	33.42%	1.3594	0.07350	1.3614	33.40%	1.81%	33.45%	18.524	0.06996	3.24%
009.04	1		10.830														
009.07	7	7	10.960	1.0709	10.960	1.2144	0.45899	11.08%	1.0633	0.18043	1.0785	9.70%	1.65%	9.84%	5.9771	0.19926	2.79%
009.09	33	30	10.272	0.80823	10.390	0.91954	0.16255	8.85%	0.79105	0.23439	0.82505	7.70%	2.28%	8.03%	3.5200	0.26374	2.81%
009.99	6	6	10.040	0.65353	10.040	0.74110	0.30255	7.38%	0.64723	0.12795	0.65976	6.45%	1.27%	6.57%	5.1565	0.13405	2.83%
010.03	3	2	8.7075	0.03182	8.7075	0.03182	0.02250	0.37%		0.06021			0.69%		0.44000	2.89%	
010.11	8	6	9.4335	0.49939	9.5221	0.69927	0.24723	7.34%	0.49238	0.11795	0.50631	5.22%	1.25%	5.37%	4.2927	0.17075	2.85%
010.99	22	22	8.5391	0.56095	8.5433	0.58687	0.12512	6.87%	0.55675	0.09683	0.56511	6.52%	1.13%	6.62%	5.8362	0.10660	2.90%
011.01	75	68	9.2918	0.29772	9.2907	0.30911	0.03618	3.33%	0.29272	0.07682	0.30263	3.15%	0.83%	3.26%	3.9395	0.09159	2.86%
011.02	2	0															
011.03	1		7.5300														
011.99	4	4	8.9688	0.17187	8.9688	0.17187	0.08594	1.92%	0.16119	0.08434	0.18192	1.80%	0.94%	2.03%	2.1571	0.08250	2.88%
012.00	9	9	34.321	1.2409	34.423	1.1606	0.38686	3.37%	1.2298	0.23480	1.2520	3.58%	0.68%	3.65%	5.3320	0.25111	1.70%
012.01	8	6	32.494	1.0063	32.494	2.2622	0.79980	6.96%	0.97041	0.37655	1.0409	2.99%	1.16%	3.20%	2.7643	0.59794	1.75%
012.02	1		36.520														
012.03	5	5	33.282	1.7742	33.282	1.7742	0.79345	5.33%	1.7234	0.59642	1.8237	5.18%	1.79%	5.48%	3.0577	0.60904	1.73%
012.04	4	4	32.231	1.5326	32.231	1.5326	0.76631	4.76%	1.5213	0.26232	1.5438	4.72%	0.81%	4.79%	5.8851	0.27750	1.76%
012.11	6	5	34.253	2.7609	34.253	2.7609	1.2347	8.06%	2.7605	0.06223	2.7612	8.06%	0.18%	8.06%	44.369	0.07660	1.71%
013.00	19	19	5.4307	0.53149	5.4167	0.57204	0.13124	10.56%	0.51674	0.17587	0.54585	9.52%	3.24%	10.05%	3.1037	0.20081	3.10%
013.02	20	20	5.8274	0.47583	5.8297	0.44214	0.09887	7.58%	0.46594	0.13651	0.48552	8.00%	2.34%	8.33%	3.5566	0.15535	3.07%
013.08	1		3.4483														
013.10	7	7	5.2729	0.35988	5.2729	0.40810	0.15425	7.74%	0.34483	0.14565	0.37433	6.54%	2.76%	7.10%	2.5700	0.15361	3.11%
013.12	1		5.4703														
013.13	5	4	5.7631	0.85404	5.7631	0.85404	0.42702	14.82%	0.85315	0.05512	0.85493	14.80%	0.96%	14.83%	15.509	0.16940	3.07%
015.41	4	4	157.38	16.941	157.38	16.941	8.4703	10.76%	16.906	1.5198	16.975	10.74%	0.97%	10.79%	11.169	1.9388	7.47%
015.42	1		161.90														
015.43	6	6	163.92	18.193	163.92	20.631	8.4224	12.59%	18.088	2.7520	18.297	11.04%	1.68%	11.16%	6.6483	3.3541	7.43%
015.53	1		172.50														
017.41	4	4	13.256	1.1421	13.256	1.1421	0.57103	8.62%	0.90509	0.98501	1.3377	6.83%	7.43%	10.09%	1.3581	1.0475	10.84%
017.42	4	3	12.436	0.09991	12.436	0.09991	0.05768	0.80%	0.05716	0.11588	0.12921	0.46%	0.93%	1.04%	1.1151	0.12995	10.95%

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017.43	6	5	11.236	4.2576	11.164	3.8498	1.5717	34.48%	4.1996	0.99094	4.3149	37.38%	8.82%	38.40%	4.3543	1.9152	11.13%
019.00	15	13	1.0164	0.03762	1.0295	0.04843	0.01250	4.70%	0.03619	0.01452	0.03899	3.56%	1.43%	3.84%	2.6862	0.02371	3.98%
019.02	1		0.80850														
019.03	1		1.1088														
019.08	8	8	1.0415	0.03431	1.0400	0.03553	0.01256	3.42%	0.03333	0.01150	0.03526	3.20%	1.10%	3.39%	3.0666	0.01246	3.98%
019.09	2	0															
019.31	28	24	1.0109	0.05559	1.0077	0.05525	0.01063	5.48%	0.05377	0.01992	0.05735	5.32%	1.97%	5.67%	2.8781	0.02301	4.00%
019.32	5	5	1.0780	0.04778	1.0780	0.04778	0.02137	4.43%	0.04409	0.02603	0.05120	4.09%	2.41%	4.75%	1.9669	0.02880	3.95%
019.33	2	0															
019.41	32	30	1.0329	0.05019	1.0359	0.05398	0.00970	5.21%	0.04797	0.02088	0.05231	4.64%	2.02%	5.06%	2.5054	0.02350	3.98%
019.42	22	20	1.0057	0.07265	1.0044	0.07255	0.01547	7.22%	0.07109	0.02117	0.07417	7.07%	2.10%	7.38%	3.5043	0.02513	4.00%
019.43	19	16	1.0326	0.03301	1.0308	0.03866	0.00911	3.75%	0.03218	0.01036	0.03381	3.12%	1.00%	3.27%	3.2644	0.01183	3.98%
019.44	3	3	1.0580	0.07770	1.0580	0.07770	0.04486	7.34%	0.07617	0.02165	0.07919	7.20%	2.05%	7.49%	3.6580	0.02410	3.97%
019.52	2	0															
019.53	3	2	1.0725	0.03889	1.0725	0.03889	0.02750	3.63%	0.03873	0.00500	0.03905	3.61%	0.47%	3.64%	7.8102	0.04267	3.96%
019.99	5	4	0.98625	0.07739	0.98625	0.07739	0.03870	7.85%	0.07654	0.01620	0.07824	7.76%	1.64%	7.93%	4.8288	0.05000	4.01%
021.31	4	4	1.2663	0.17764	1.2663	0.17764	0.08882	14.03%	0.16748	0.08374	0.18725	13.23%	6.61%	14.79%	2.2361	0.09750	15.44%
021.34	1		1.4500														
021.41	3	3	1.0307	0.19260	1.0307	0.19260	0.11120	18.69%	0.19222	0.01699	0.19297	18.65%	1.65%	18.72%	11.358	0.01933	15.92%
021.42	2	0															
021.43	4	4	1.1775	0.14133	1.1775	0.14133	0.07067	12.00%	0.13798	0.04330	0.14461	11.72%	3.68%	12.28%	3.3397	0.05000	15.61%
021.52	2	0															
021.53	3	3	1.0065	0.33238	1.0065	0.33238	0.19190	33.02%	0.32809	0.07527	0.33661	32.60%	7.48%	33.45%	4.4722	0.10227	15.98%
022.31	13	13	178.51	17.630	178.05	18.961	5.2588	10.65%	17.424	3.7967	17.833	9.76%	2.13%	9.99%	4.6971	4.5017	7.33%
022.32	5	4	214.22	3.2350	214.22	3.2350	1.6175	1.51%		6.6115			3.09%		8.1038	7.13%	
022.33	3	3	197.22	24.971	197.22	24.971	14.417	12.66%	24.851	3.4659	25.091	12.60%	1.76%	12.72%	7.2395	4.1820	7.22%
022.41	26	24	167.94	25.956	166.71	28.227	5.5357	16.93%	25.692	5.2254	26.218	15.30%	3.11%	15.61%	5.0174	5.5965	7.41%
022.42	22	19	208.51	11.079	209.13	12.432	2.7128	5.94%	10.804	3.4669	11.347	5.18%	1.66%	5.44%	3.2729	4.1722	7.16%
022.43	15	14	208.80	10.624	210.48	12.232	3.1582	5.81%	9.7631	5.9238	11.420	4.68%	2.84%	5.47%	1.9278	6.7887	7.15%
022.44	1		185.50														
022.52	2	0															
022.53	3	3	211.50	8.2310	211.50	8.2310	4.7522	3.89%		12.550			5.93%		17.667	7.15%	
022.99	2	0															
023.01	1		31.800														
025.31	11	10	375.27	25.213	370.35	32.851	9.9051	8.87%	24.707	7.1092	25.709	6.58%	1.89%	6.85%	3.6164	7.6370	6.57%
025.32	4	4	386.38	81.307	386.38	81.307	40.653	21.04%	80.746	13.489	81.864	20.90%	3.49%	21.19%	6.0691	13.150	6.53%
025.33	2	0															
025.41	22	20	370.30	33.093	373.01	26.497	5.6492	7.10%	32.419	9.3979	33.753	8.75%	2.54%	9.12%	3.5916	10.623	6.56%
025.42	14	13	358.39	42.816	352.21	53.498	14.298	15.19%	41.179	16.580	44.392	11.49%	4.63%	12.39%	2.6775	15.923	6.62%
025.43	15	14	373.30	28.623	369.13	34.238	8.8401	9.28%	27.948	8.7346	29.282	7.49%	2.34%	7.84%	3.3524	7.9207	6.57%
025.52	2	0															
025.53	2	0															
025.99	2	0															

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027.31	18	17	0.19748	0.01444	0.19529	0.01548	0.00365	7.93%	0.01392	0.00539	0.01493	7.05%	2.73%	7.56%	2.7714	0.00614	5.11%
027.32	5	5	0.20580	0.01490	0.20580	0.01490	0.00666	7.24%	0.01351	0.00889	0.01617	6.57%	4.32%	7.86%	1.8196	0.00960	5.07%
027.33	2	0															
027.41	27	25	0.20322	0.00953	0.20341	0.01016	0.00195	4.99%	0.00898	0.00451	0.01005	4.42%	2.22%	4.95%	2.2287	0.00529	5.08%
027.42	21	19	0.20423	0.01291	0.20287	0.01425	0.00319	7.02%	0.01248	0.00471	0.01334	6.11%	2.31%	6.53%	2.8291	0.00553	5.09%
027.43	16	15	0.20267	0.01189	0.20264	0.01077	0.00269	5.31%	0.01092	0.00666	0.01279	5.39%	3.29%	6.31%	1.9196	0.00728	5.09%
027.44	2	0															
027.52	1		0.21945														
027.53	2	0															
027.99	3	3	0.20333	0.01893	0.20333	0.01893	0.01093	9.31%	0.01848	0.00577	0.01936	9.09%	2.84%	9.52%	3.3541	0.00667	5.08%
028.31	13	12	127.90	5.5236	127.38	6.1960	1.7185	4.86%	4.9905	3.3479	6.0095	3.90%	2.62%	4.70%	1.7950	3.8597	7.71%
028.32	5	5	134.32	5.5234	134.32	5.5234	2.4701	4.11%	5.2144	2.5759	5.8160	3.88%	1.92%	4.33%	2.2579	3.4658	7.65%
028.33	2	0															
028.41	26	25	125.35	8.0432	126.11	8.7816	1.7222	6.96%	7.7417	3.0852	8.3338	6.18%	2.46%	6.65%	2.7012	3.2652	7.72%
028.42	21	20	129.43	11.519	130.09	10.862	2.3703	8.35%	11.307	3.1140	11.728	8.74%	2.41%	9.06%	3.7663	3.9500	7.69%
028.43	16	15	134.21	8.1670	133.83	6.0122	1.5523	4.49%	7.7422	3.6761	8.5707	5.77%	2.74%	6.39%	2.3314	3.7857	7.66%
028.44	1		124.50														
028.52	2	0															
028.53	2	0															
028.99	2	0															
031.00	1		0.82500														
031.01	48	44	0.82291	0.03638	0.82279	0.03160	0.00466	3.84%	0.03496	0.01421	0.03774	4.25%	1.73%	4.59%	2.6568	0.01480	4.12%
031.02	3	3	0.85587	0.04271	0.85587	0.04271	0.02466	4.99%	0.04246	0.00648	0.04296	4.96%	0.76%	5.02%	6.6304	0.00907	4.09%
031.03	5	4	0.80188	0.01068	0.80188	0.01068	0.00534	1.33%	0.00200	0.01484	0.01497	0.25%	1.85%	1.87%	1.0090	0.01652	4.13%
031.06	1		0.80350														
031.41	32	30	0.83640	0.04640	0.83272	0.04265	0.00754	5.12%	0.04538	0.01374	0.04741	5.43%	1.64%	5.67%	3.4509	0.01591	4.11%
031.42	23	22	0.81306	0.04620	0.81154	0.05033	0.01049	6.20%	0.04448	0.01767	0.04786	5.47%	2.17%	5.89%	2.7092	0.02245	4.13%
031.43	18	16	0.83388	0.05618	0.83176	0.03980	0.00965	4.79%	0.05570	0.01036	0.05665	6.68%	1.24%	6.79%	5.4667	0.01330	4.11%
031.44	2	0															
031.52	1		0.86970														
031.53	3	3	0.91700	0.09535	0.91700	0.09535	0.05505	10.40%	0.08747	0.05367	0.10262	9.54%	5.85%	11.19%	1.9120	0.05267	4.05%
031.99	5	5	0.79400	0.03435	0.79400	0.03435	0.01536	4.33%	0.03406	0.00632	0.03464	4.29%	0.80%	4.36%	5.4772	0.00800	4.14%
032.02	3	3	1.1382	0.04717	1.1382	0.04717	0.02723	4.14%	0.04470	0.02130	0.04952	3.93%	1.87%	4.35%	2.3252	0.02367	3.92%
032.31	20	18	1.1231	0.09534	1.1151	0.08912	0.02045	7.99%	0.09410	0.02165	0.09656	8.38%	1.93%	8.60%	4.4590	0.02216	3.93%
032.32	4	4	1.0909	0.12368	1.0909	0.12368	0.06184	11.34%	0.12326	0.01432	0.12409	11.30%	1.31%	11.38%	8.6644	0.02025	3.95%
032.41	28	28	1.1269	0.06309	1.1250	0.05745	0.01086	5.11%	0.06113	0.02203	0.06498	5.42%	1.95%	5.77%	2.9500	0.02513	3.93%
032.42	23	21	1.1285	0.07994	1.1284	0.07923	0.01652	7.02%	0.07922	0.01514	0.08065	7.02%	1.34%	7.15%	5.3276	0.01759	3.93%
032.43	16	13	1.1156	0.03638	1.1195	0.03978	0.01027	3.55%	0.03528	0.01252	0.03744	3.16%	1.12%	3.36%	2.9899	0.01606	3.93%
032.44	2	0															
032.52	1		1.2331														
032.53	2	0															
032.99	4	4	1.1344	0.02787	1.1344	0.02787	0.01393	2.46%	0.02693	0.01016	0.02878	2.37%	0.90%	2.54%	2.8338	0.01125	3.92%
033.00	19	17	2.1972	0.06857	2.1961	0.06824	0.01608	3.11%	0.06765	0.01585	0.06948	3.08%	0.72%	3.16%	4.3846	0.01616	3.55%

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033.01	32	29	2.2564	0.08000	2.2414	0.04338	0.00767	1.94%	0.07869	0.02042	0.08129	3.49%	0.90%	3.60%	3.9815	0.02104	3.54%
033.03	5	4	2.0813	0.05721	2.0813	0.05721	0.02860	2.75%	0.05447	0.02475	0.05983	2.62%	1.19%	2.87%	2.4173	0.05000	3.58%
033.05	4	2	2.2350	0.03536	2.2350	0.03536	0.02500	1.58%	0.03391	0.01414	0.03674	1.52%	0.63%	1.64%	2.5981	0.06000	3.54%
033.99	8	8	2.1615	0.17204	2.1599	0.19154	0.06772	8.87%	0.16388	0.07407	0.17984	7.58%	3.43%	8.32%	2.4280	0.08040	3.56%
034.01	1		1.0900														
034.04	7	7	0.78039	0.12687	0.78039	0.14387	0.05438	18.44%	0.12129	0.05259	0.13220	15.54%	6.74%	16.94%	2.5137	0.05653	16.60%
034.41	1		0.48500														
034.42	1		1.5000														
034.43	1		1.1300														
034.52	3	3	0.90383	0.09740	0.90383	0.09740	0.05623	10.78%	0.08973	0.05357	0.10450	9.93%	5.93%	11.56%	1.9509	0.06167	16.24%
034.53	4	3	1.0413	0.30774	1.0413	0.30774	0.17768	29.55%	0.22733	0.29335	0.37112	21.83%	28.17%	35.64%	1.2651	0.77475	15.90%
034.99	2	0															
035.01	4	4	0.79125	0.03128	0.79125	0.03128	0.01564	3.95%	0.03125	0.00194	0.03131	3.95%	0.24%	3.96%	16.168	0.00250	4.14%
035.05	5	5	0.83810	0.04532	0.83810	0.04532	0.02027	5.41%	0.04248	0.02234	0.04800	5.07%	2.67%	5.73%	2.1489	0.02540	4.11%
035.31	16	13	0.76308	0.03877	0.75791	0.04142	0.01036	5.47%	0.03829	0.00862	0.03925	5.02%	1.13%	5.14%	4.5521	0.01554	4.17%
035.32	3	3	0.64817	0.15010	0.64817	0.15010	0.08666	23.16%	0.14948	0.01926	0.15072	23.06%	2.97%	23.25%	7.8266	0.02167	4.27%
035.41	29	28	0.77765	0.04662	0.77932	0.05214	0.00968	6.69%	0.04599	0.01083	0.04725	5.91%	1.39%	6.08%	4.3626	0.01258	4.15%
035.42	18	17	0.78053	0.04634	0.77525	0.05542	0.01306	7.15%	0.04494	0.01600	0.04770	5.76%	2.05%	6.11%	2.9814	0.01712	4.16%
035.43	15	13	0.77990	0.03298	0.77749	0.03512	0.00907	4.52%	0.03225	0.00977	0.03370	4.14%	1.25%	4.32%	3.4481	0.01235	4.15%
035.52	1		0.83610														
035.53	2	0															
035.99	5	5	0.78000	0.12923	0.78000	0.12923	0.05779	16.57%	0.12900	0.01095	0.12946	16.54%	1.40%	16.60%	11.818	0.01200	4.15%
036.04	4	4	0.27109	0.01278	0.27109	0.01278	0.00639	4.72%	0.01087	0.00951	0.01444	4.01%	3.51%	5.33%	1.5190	0.01278	4.87%
036.42	19	18	0.26728	0.01805	0.26822	0.01822	0.00429	6.79%	0.01787	0.00364	0.01824	6.69%	1.36%	6.82%	5.0160	0.00336	4.88%
036.43	9	9	0.27784	0.02457	0.27919	0.02473	0.00824	8.86%	0.02405	0.00714	0.02509	8.66%	2.57%	9.03%	3.5133	0.00787	4.85%
036.99	2	0															
037.31	16	13	280.27	19.857	282.18	18.457	4.7657	6.54%	19.577	4.7015	20.133	6.98%	1.68%	7.18%	4.2823	6.5647	6.84%
037.32	5	5	317.14	30.757	317.14	30.757	13.755	9.70%	24.025	27.158	36.259	7.58%	8.56%	11.43%	1.3351	32.122	6.72%
037.33	3	3	282.79	1.9754	282.79	1.9754	1.1405	0.70%		16.755			5.93%			16.811	6.84%
037.41	25	23	277.97	26.120	277.75	27.596	5.6331	9.94%	25.793	5.8246	26.443	9.28%	2.10%	9.51%	4.5399	6.9407	6.86%
037.42	22	21	283.80	30.023	285.00	33.674	7.1793	11.82%	29.680	6.3972	30.361	10.46%	2.25%	10.70%	4.7460	7.6742	6.83%
037.43	18	18	298.44	19.290	298.20	20.791	4.9004	6.97%	18.173	9.1492	20.346	6.09%	3.07%	6.82%	2.2238	9.9078	6.79%
037.44	1		279.50														
037.52	2	0															
037.53	2	0															
037.99	3	2	271.00	11.314	271.00	11.314	8.0000	4.17%	11.292	1.0000	11.336	4.17%	0.37%	4.18%	11.336	6.6667	6.88%
038.41	3	3	1.4667	0.21032	1.4667	0.21032	0.12143	14.34%	0.20749	0.04861	0.21311	14.15%	3.31%	14.53%	4.3843	0.06133	15.10%
038.42	3	3	1.3172	0.17419	1.3172	0.17419	0.10057	13.22%	0.15963	0.09861	0.18763	12.12%	7.49%	14.24%	1.9028	0.12137	15.35%
038.43	5	5	1.2279	0.28398	1.2279	0.28398	0.12700	23.13%	0.26294	0.15172	0.30357	21.41%	12.36%	24.72%	2.0009	0.16542	15.51%
038.52	1		1.3500														
038.53	3	2	1.6498	0.00035	1.6498	0.00035	0.00025	0.02%		0.07384			4.48%			0.16733	14.84%
040.42	1		6.7800														
040.52	1		6.4500														

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041.52	1		1.7000														
041.53	2	0															
042.00	2	0															
042.99	1		1.3000														
050.01	7	7	44.894	5.9564	44.894	6.7545	2.5530	15.05%	5.8291	1.7319	6.0810	12.98%	3.86%	13.55%	3.5111	1.6271	9.02%
077.01	2	0															
086.00	6	6	141.99	24.941	140.91	25.722	10.501	18.25%	24.467	6.8418	25.406	17.23%	4.82%	17.89%	3.7133	5.9167	7.60%
088.99	1		4.9000														
093.00	3	3	17.443	3.6882	17.443	3.6882	2.1294	21.14%	3.3593	2.1529	3.9900	19.26%	12.34%	22.87%	1.8533	2.1467	10.40%
101.00	1		174.82														
101.01	1		1,150.0														
101.02	1		1,705.0														
101.99	1		1,051.0														
102.01	1		173.50														
102.02	1		148.24														
103.01	1		26.150														
103.02	1		54.300														
104.00	2	0															
104.03	1		16.440														
105.00	4	4	10.417	1.9680	10.417	1.9680	0.98398	18.89%	1.9156	0.63800	2.0190	18.39%	6.12%	19.38%	3.1646	0.78775	11.24%
105.01	1		14.950														
106.00	1		11.050														
106.01	1		5.9900														
106.02	19	17	8.4699	2.7110	8.6428	3.0326	0.71478	35.09%	2.6130	1.0217	2.8056	30.85%	12.06%	33.12%	2.7460	1.0660	
108.01	1		1.5000														
108.02	4	3	2.4000	0.84668	2.4000	0.84668	0.48883	35.28%	0.84618	0.04123	0.84719	35.26%	1.72%	35.30%	20.547	0.25500	
109.02	19	16	117.35	28.601	114.47	20.023	4.7194	17.49%	28.471	3.8551	28.730	24.26%	3.29%	24.48%	7.4526	4.5713	
109.99	1		107.50														
112.00	1		3.6950														
112.01	1		8.2350														
113.01	1		3.2750														
114.01	1		0.53600														
120.00	16	14	0.97457	0.02409	0.97378	0.02361	0.00610	2.42%	0.02359	0.00690	0.02458	2.42%	0.71%	2.52%	3.5625	0.00903	4.02%
120.02	1		1.0165														
120.05	2	0															
120.99	1		1.0800														
121.00	16	14	1.2875	0.03551	1.2887	0.04253	0.01063	3.30%	0.03242	0.02050	0.03836	2.52%	1.59%	2.98%	1.8707	0.02445	3.85%
121.02	1		1.2905														
121.05	2	0															
121.99	1		1.4050														
122.00	16	14	2.0043	0.06848	2.0109	0.06198	0.01600	3.08%	0.06694	0.02037	0.06997	3.34%	1.02%	3.49%	3.4358	0.02259	3.60%
122.02	1		2.0275														
122.05	2	0															

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122.99	1		1.9600														
124.00	17	16	0.32732	0.02316	0.32704	0.02567	0.00642	7.85%	0.02253	0.00762	0.02378	6.88%	2.33%	7.27%	3.1192	0.00850	4.73%
124.02	1		0.33800														
124.05	2	0															
124.99	1		0.25500														
125.00	16	14	3.4909	0.08659	3.5045	0.10018	0.02587	2.86%	0.08454	0.02646	0.08859	2.42%	0.76%	2.54%	3.3477	0.03084	3.31%
125.02	1		3.4810														
125.05	2	0															
125.99	1		3.6800														
126.00	16	16	0.86730	0.02168	0.86826	0.02231	0.00558	2.57%	0.01975	0.01264	0.02345	2.28%	1.46%	2.70%	1.8547	0.01242	4.09%
126.02	1		0.89350														
126.05	2	0															
126.99	1		1.0850														
127.00	16	15	0.52151	0.02556	0.52200	0.02513	0.00628	4.81%	0.02520	0.00603	0.02591	4.83%	1.16%	4.97%	4.2949	0.00629	4.41%
127.02	1		0.51550														
127.05	2	0															
127.99	1		0.46500														
128.00	16	15	0.81787	0.03456	0.81428	0.04121	0.01030	5.06%	0.03345	0.01232	0.03564	4.09%	1.51%	4.36%	2.8933	0.01512	4.13%
128.02	1		0.84050														
128.05	2	0															
128.99	1		0.77000														
129.00	16	15	1.5833	0.02474	1.5833	0.02805	0.00724	1.77%	0.02259	0.01426	0.02671	1.43%	0.90%	1.69%	1.8737	0.01404	3.73%
129.02	1		1.6215														
129.05	2	0															
129.99	1		1.7950														
130.00	17	15	1.2805	0.04553	1.2831	0.03502	0.00849	2.73%	0.04445	0.01395	0.04658	3.47%	1.09%	3.64%	3.3394	0.02167	3.85%
130.02	1		1.3290														
130.05	3	2	1.3308	0.09581	1.3308	0.09581	0.06775	7.20%	0.09580	0.00250	0.09583	7.20%	0.19%	7.20%	38.332	0.02967	3.83%
130.99	1		1.5400														
131.00	17	16	0.30123	0.01854	0.29881	0.02179	0.00528	7.29%	0.01783	0.00717	0.01922	5.92%	2.38%	6.38%	2.6807	0.00806	4.80%
131.02	1		0.27000														
131.05	2	0															
131.99	1		0.28000														
132.00	16	15	0.93714	0.02217	0.93594	0.01813	0.00453	1.94%	0.02063	0.01150	0.02361	2.20%	1.23%	2.52%	2.0541	0.01373	4.04%
132.02	1		0.94400														
132.05	2	0															
132.99	1		0.91000														
133.00	16	14	1.1076	0.05274	1.1177	0.05481	0.01370	4.90%	0.05188	0.01341	0.05359	4.68%	1.21%	4.84%	3.9965	0.02162	3.93%
133.05	2	0															
133.99	1		1.4050														
134.00	16	14	0.95737	0.04087	0.95173	0.04611	0.01153	4.84%	0.03971	0.01367	0.04200	4.15%	1.43%	4.39%	3.0726	0.01716	4.03%
134.02	1		0.87850														
134.05	2	0															

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134.99	1		1.1250														
135.00	17	16	0.77030	0.02900	0.77243	0.02812	0.00703	3.64%	0.02832	0.00883	0.02967	3.68%	1.15%	3.85%	3.3601	0.01007	4.16%
135.02	1		0.74800														
135.05	2	0															
135.99	1		0.73500														
136.00	5	5	0.23278	0.02716	0.23278	0.02716	0.01215	11.67%	0.02650	0.00843	0.02781	11.38%	3.62%	11.95%	3.2976	0.00880	4.98%
136.01	2	0															
136.02	1		0.24550														
136.03	1		0.24850														
136.99	2	0															
137.00	12	11	0.62348	0.10159	0.60670	0.11673	0.03370	19.24%	0.09974	0.02725	0.10340	16.00%	4.37%	16.58%	3.7939	0.02831	4.31%
137.02	1		0.66200														
137.05	2	0															
137.99	1		0.61500														
138.00	16	14	0.91275	0.02864	0.91655	0.03547	0.00916	3.87%	0.02697	0.01361	0.03021	2.96%	1.49%	3.31%	2.2201	0.01448	4.05%
138.02	1		0.96200														
138.05	2	0															
138.99	1		0.77000														
139.00	1		0.21500														
139.02	1		0.00000														
139.99	1		0.00000														
160.99	3	0														0.01000	
162.99	3	0														0.00000	
163.99	5	5	3.0990	0.26985	3.0990	0.26985	0.12068	8.71%	0.26862	0.03633	0.27107	8.67%	1.17%	8.75%	7.4609	0.03600	3.37%
164.99	3	3	0.39500	0.22765	0.39500	0.22765	0.13143	57.63%	0.22357	0.06069	0.23166	56.60%	15.36%	58.65%	3.8171	0.07000	4.60%
165.99	5	5	2.9819	0.24548	2.9819	0.24548	0.10978	8.23%	0.24536	0.01047	0.24559	8.23%	0.35%	8.24%	23.459	0.00880	3.39%
166.99	2	0															
167.99	2	0															
350.01	1		46,595														
377.01	1		93,141														
393.00	1		11,940														
400.01	4	3	0.46267	0.00889	0.46267	0.00889	0.00513	1.92%	0.00867	0.00277	0.00911	1.87%	0.60%	1.97%	3.2886	0.00893	
400.99	2	0															
516.00	2	0															
516.52	2	0															
516.53	4	4	0.39119	0.05698	0.39119	0.05698	0.02849	14.57%	0.05053	0.03725	0.06278	12.92%	9.52%	16.05%	1.6851	0.03853	18.42%
518.33	1		0.02950														
518.41	3	3	0.07317	0.01037	0.07317	0.01037	0.00599	14.18%	0.00969	0.00524	0.01102	13.24%	7.17%	15.05%	2.1005	0.00633	22.00%
518.52	1		0.09050														
518.53	4	4	0.08638	0.01002	0.08638	0.01002	0.00501	11.60%	0.00964	0.00385	0.01038	11.16%	4.45%	12.02%	2.6986	0.00465	22.00%
520.41	3	3	2.4555	0.83228	2.4555	0.83228	0.48052	33.89%	0.81893	0.21000	0.84543	33.35%	8.55%	34.43%	4.0258	0.21433	13.97%
520.43	1		4.4600														
520.52	1		1.8500														



Method Code	Total # Labs Submitting	# Labs in Method Precision Calcs	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
520.53	1		4.7250														
526.33	1		0.80200														
526.41	2																
526.52	1		0.18000														
526.53	4	3	0.12042	0.00909	0.12042	0.00909	0.00525	7.55%	0.00869	0.00376	0.00947	7.22%	3.12%	7.87%	2.5220	0.00363	22.00%
539.41	2	0															
539.52	1		2.0000														
539.53	1		3.5150														