

# AAFCO Check Sample Program

Methods Report

Sort by Method

Proficiency For Individual Methods

Sample # 201025

Senior Pig Starter, Medicated



# AAFCO

Association of American Feed Control Officials

Method Code	Total # Labs Submitting	# Labs Included in Calculations	Mean	SD	Assigned Value - Robust Mean	AAFCO CS ffp - Robust sd	Uncertainty (U)	% RSD	Between Labs sL	Within Labs sr	Reproducibility sR	Between Labs %RSD	Within Labs %rsd	Reproducibility %RSD	sR/sr	Average Range (R-bar)
001.00	12	10	9.9928	0.4975	10.0093	0.5324	0.1190	5.32%	0.4941	0.0831	0.5010	4.94%	0.83%	5.01%	6.0304	0.0967
001.03	4	4	9.5013	0.2816	9.5013	0.2816	0.0995	2.96%	0.2751	0.0846	0.2878	2.90%	0.89%	3.03%	3.4011	0.1025
001.05	1		9.8750													
001.07	39	38	9.7731	0.5978	9.9263	0.2511	0.0288	2.53%	0.5947	0.0864	0.6010	6.09%	0.88%	6.15%	6.9548	0.0977
001.08	2	2	9.7275	0.1803												
001.99	16	14	9.6664	1.3171	10.0013	0.3111	0.0588	3.11%	1.3150	0.1058	1.3192	13.60%	1.09%	13.65%	12.4704	0.1087
002.00	8	8	23.6144	0.7439	23.6360	0.2123	0.0531	0.90%	0.7296	0.2059	0.7580	3.09%	0.87%	3.21%	3.6822	0.1963
002.01	10	9	23.3276	0.2139	23.3546	0.1084	0.0255	0.46%	0.2073	0.0747	0.2204	0.89%	0.32%	0.94%	2.9482	0.0755
002.02	7	7	23.0258	0.8895	23.2052	0.5454	0.1458	2.35%	0.8821	0.1627	0.8970	3.83%	0.71%	3.90%	5.5128	0.1578
002.03	2	2	23.2725	0.8662												
002.04	7	7	23.1721	0.5064	23.2550	0.3240	0.0866	1.39%	0.4914	0.1731	0.5210	2.12%	0.75%	2.25%	3.0096	0.1871
002.05	22	22	23.3237	0.5224	23.3580	0.2915	0.0439	1.25%	0.5164	0.1124	0.5285	2.21%	0.48%	2.27%	4.7009	0.1158
002.06	197	124	23.7127	0.5339	23.7353	0.3311	0.0210	1.39%	0.5242	0.1431	0.5434	2.21%	0.60%	2.29%	3.7960	0.1497
002.08	3	3	23.7213	0.4768	23.7213	0.4768	0.1947	2.01%	0.4767	0.0128	0.4769	2.01%	0.05%	2.01%	37.3222	0.0104
002.10	10	9	23.3063	0.7132	23.5145	0.1276	0.0301	0.54%	0.7116	0.0690	0.7149	3.05%	0.30%	3.07%	10.3621	0.0850
002.11	14	14	23.2675	0.8697	23.1225	0.5600	0.1058	2.42%	0.8662	0.1105	0.8732	3.72%	0.48%	3.75%	7.9011	0.1214
002.99	2	2	23.0550	0.3606												
003.00	23	23	4.0737	0.3539	4.1056	0.2652	0.0391	6.46%	0.3468	0.0995	0.3608	8.51%	2.44%	8.86%	3.6272	0.1043
003.01	2	2	3.7550	0.0566												
003.06	23	22	3.9485	0.2254	3.9872	0.1476	0.0222	3.70%	0.2077	0.1239	0.2419	5.26%	3.14%	6.13%	1.9517	0.1024
003.09	27	25	4.0987	0.2315	4.0588	0.1302	0.0184	3.21%	0.2227	0.0898	0.2401	5.43%	2.19%	5.86%	2.6734	0.0870
003.10	30	28	3.8545	0.1876	3.8693	0.1716	0.0229	4.43%	0.1846	0.0471	0.1905	4.79%	1.22%	4.94%	4.0483	0.0555
003.11	14	14	3.9463	0.3427	3.9947	0.2935	0.0555	7.35%	0.3401	0.0592	0.3452	8.62%	1.50%	8.75%	5.8345	0.0582
003.12	3	3	4.4583	0.5338	4.4583	0.5338	0.2179	11.97%	0.5330	0.0406	0.5346	11.96%	0.91%	11.99%	13.1600	0.0500
003.13	7	7	3.9843	0.2138	3.9843	0.2424	0.0648	6.08%	0.2076	0.0723	0.2198	5.21%	1.82%	5.52%	3.0391	0.0797
003.14	19	18	3.8249	0.4168	3.8476	0.3662	0.0610	9.52%	0.4109	0.0992	0.4227	10.74%	2.59%	11.05%	4.2601	0.1012
003.99	13	10	4.3975	0.4956	4.3227	0.4451	0.0995	10.30%	0.4558	0.2753	0.5325	10.36%	6.26%	12.11%	1.9342	0.2550

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004.00	26	26	2.9940	0.7164	3.0110	0.1940	0.0269	6.44%	0.7129	0.1003	0.7199	23.81%	3.35%	24.04%	7.1758	0.1113
004.01	2	2	3.8425	0.0106												
004.03	1		3.2085													
004.06	28	27	3.0952	0.4547	3.0960	0.2587	0.0352	8.36%	0.4499	0.0925	0.4594	14.54%	2.99%	14.84%	4.9650	0.0815
004.07	47	46	2.8636	0.3653	2.8806	0.2395	0.0250	8.31%	0.3556	0.1178	0.3746	12.42%	4.11%	13.08%	3.1800	0.1260
004.11	12	11	3.2250	0.5840	3.0436	0.2547	0.0543	8.37%	0.5832	0.0422	0.5847	18.08%	1.31%	18.13%	13.8705	0.0427
004.99	3	3	2.8500	0.4682	2.8500	0.4682	0.1911	16.43%	0.4673	0.0412	0.4691	16.40%	1.45%	16.46%	11.3779	0.0400
005.00	177	115	5.6083	0.1385	5.6161	0.1298	0.0086	2.31%	0.1336	0.0514	0.1431	2.38%	0.92%	2.55%	2.7872	0.0515
005.02	2	2	5.4300	0.3111												
005.03	1		5.6750													
005.05	14	13	5.6617	0.2174	5.6706	0.1538	0.0302	2.71%	0.2135	0.0579	0.2212	3.77%	1.02%	3.91%	3.8190	0.0578
005.11	9	9	5.9464	0.3663	6.0054	0.2582	0.0609	4.30%	0.3636	0.0634	0.3690	6.11%	1.07%	6.21%	5.8248	0.0738
005.99	11	11	5.6981	0.2825	5.7132	0.0901	0.0192	1.58%	0.2787	0.0658	0.2864	4.89%	1.15%	5.03%	4.3514	0.0706
008.02	10	9	4.5044	0.6583	4.5044	0.7465	0.1760	16.57%	0.6536	0.1108	0.6629	14.51%	2.46%	14.72%	5.9813	0.1380
008.05	1		4.5500													
008.08	26	24	4.1309	0.4408	4.1235	0.4623	0.0667	11.21%	0.4244	0.1686	0.4566	10.27%	4.08%	11.05%	2.7084	0.1651
008.99	4	4	4.7265	0.9668	4.7265	0.9668	0.3418	20.45%	0.8693	0.5983	1.0553	18.39%	12.66%	22.33%	1.7639	0.6066
009.07	8	8	11.9373	2.0577	11.5744	1.4169	0.3542	12.24%	2.0292	0.4827	2.0858	17.00%	4.04%	17.47%	4.3209	0.5005
009.09	19	19	10.8646	0.9173	10.8040	0.8989	0.1458	8.32%	0.9035	0.2241	0.9309	8.32%	2.06%	8.57%	4.1531	0.2589
009.99	6	6	11.6660	2.1815	11.7599	2.2614	0.6528	19.23%	2.1692	0.3266	2.1937	18.59%	2.80%	18.80%	6.7157	0.3604
010.03	3	3	8.1814	0.7836	8.1814	0.7836	0.3199	9.58%	0.7799	0.1080	0.7873	9.53%	1.32%	9.62%	7.2925	0.1218
010.11	12	11	9.7510	0.2794	9.7709	0.2685	0.0572	2.75%	0.2764	0.0582	0.2824	2.83%	0.60%	2.90%	4.8525	0.0606
010.99	13	12	9.9946	0.6717	10.0200	0.7036	0.1436	7.02%	0.6638	0.1454	0.6795	6.64%	1.45%	6.80%	4.6745	0.1348
011.01	144	79	10.7451	0.4671	10.7710	0.3863	0.0307	3.59%	0.4625	0.0927	0.4717	4.30%	0.86%	4.39%	5.0864	0.0944
011.02	1		10.5300													
011.99	4	4	10.5538	1.0216	10.5538	1.0216	0.3612	9.68%	1.0111	0.2069	1.0321	9.58%	1.96%	9.78%	4.9879	0.2825
012.00	5	5	33.6480	1.5525	33.6480	1.5525	0.4909	4.61%	1.5349	0.3302	1.5700	4.56%	0.98%	4.67%	4.7553	0.2600
012.01	4	4	31.4198	1.0095	31.4198	1.0095	0.3569	3.21%	0.8311	0.8105	1.1609	2.65%	2.58%	3.69%	1.4323	0.9730
012.03	2	2	32.3775	1.2339												
012.04	4	4	31.7650	3.1855	31.7650	3.1855	1.1262	10.03%	3.1683	0.4677	3.2026	9.97%	1.47%	10.08%	6.8475	0.5950
012.11	6	6	33.4217	1.3099	33.2409	1.0859	0.3135	3.27%	1.3027	0.1937	1.3170	3.90%	0.58%	3.94%	6.7979	0.2100
012.99	1		48.8000													
013.00	9	9	4.9428	0.6359	4.7893	0.4590	0.1082	9.58%	0.6294	0.1286	0.6424	12.73%	2.60%	13.00%	4.9944	0.1261
013.02	94	34	5.1545	0.5370	5.2037	0.4015	0.0487	7.72%	0.5299	0.1231	0.5440	10.28%	2.39%	10.55%	4.4200	0.1311
013.03	1		3.7000													
013.10	10	10	4.3822	0.5797	4.4942	0.3803	0.0850	8.46%	0.5692	0.1554	0.5901	12.99%	3.55%	13.47%	3.7972	0.1806
013.11	1		3.3850													
013.12	2	2	4.1075	0.1732												

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013.13	1		5.8000													
015.41	4	4	119.3509	23.5716	119.3509	23.5716	8.3338	19.75%	23.4689	3.1077	23.6738	19.66%	2.60%	19.84%	7.6177	3.5308
015.42	2	2	62.6200	4.7235												
015.43	4	4	127.3875	16.0406	127.3875	16.0406	5.6712	12.59%	15.1915	7.2826	16.8469	11.93%	5.72%	13.22%	2.3133	8.6750
015.52	2	2	130.7500	35.7089												
016.00	1		0.0400													
017.41	2	2	11.8875	0.2934												
017.42	4	4	17.5525	11.5993	17.5525	11.5993	4.1010	66.08%	11.5736	1.0898	11.6248	65.94%	6.21%	66.23%	10.6668	0.9600
017.43	4	4	11.4600	1.2139	11.4600	1.2139	0.4292	10.59%	1.2011	0.2491	1.2267	10.48%	2.17%	10.70%	4.9234	0.2950
017.99	1		14.0500													
018.41	1		0.0458													
018.52	1		0.0440													
019.00	9	8	0.7900	0.0766	0.7990	0.0709	0.0177	8.87%	0.0756	0.0166	0.0775	9.58%	2.10%	9.80%	4.6587	0.0186
019.03	4	4	0.8130	0.0335	0.8130	0.0335	0.0119	4.13%	0.0309	0.0185	0.0360	3.80%	2.27%	4.43%	1.9492	0.0188
019.08	11	11	0.8189	0.0486	0.8193	0.0446	0.0095	5.45%	0.0450	0.0260	0.0520	5.49%	3.18%	6.35%	1.9970	0.0228
019.31	35	34	0.7917	0.0594	0.7948	0.0432	0.0052	5.44%	0.0580	0.0180	0.0607	7.32%	2.28%	7.67%	3.3641	0.0181
019.32	10	10	0.8187	0.0594	0.8074	0.0421	0.0094	5.21%	0.0586	0.0132	0.0601	7.16%	1.61%	7.34%	4.5526	0.0134
019.41	39	36	0.8079	0.0322	0.8047	0.0268	0.0032	3.33%	0.0302	0.0159	0.0341	3.73%	1.97%	4.22%	2.1428	0.0170
019.42	22	21	0.8162	0.0479	0.8123	0.0365	0.0056	4.49%	0.0455	0.0213	0.0502	5.57%	2.61%	6.15%	2.3583	0.0227
019.43	11	11	0.8173	0.0593	0.8113	0.0213	0.0045	2.62%	0.0579	0.0185	0.0607	7.08%	2.26%	7.43%	3.2890	0.0190
019.52	1		0.8183													
019.53	2	2	0.7573	0.0066												
019.99	4	4	0.8191	0.0569	0.8191	0.0569	0.0201	6.95%	0.0559	0.0152	0.0579	6.82%	1.86%	7.07%	3.8024	0.0169
020.31	1		2.6500													
020.32	1		0.0000													
020.41	1		1.6500													
020.42	3	3	1.6350	0.8144	1.6350	0.8144	0.3325	49.81%		1.2270			75.05%			1.0860
020.43	1		1.4800													
020.99	1		1.1050													
021.31	3	3	0.7183	0.8488	0.7183	0.8488	0.3465	118.17%	0.8467	0.0842	0.8509	117.88%	11.72%	118.46%	10.1103	0.0833
021.32	1		1.4077													
021.33	1		0.4835													
021.34	1		0.1075													
021.41	5	5	0.4808	0.2707	0.4808	0.2707	0.0856	56.31%	0.2697	0.0336	0.2718	56.09%	6.99%	56.53%	8.0850	0.0300
021.42	2	2	0.5230	0.1174												
021.43	3	3	0.6700	0.3270	0.6700	0.3270	0.1335	48.80%	0.3252	0.0483	0.3287	48.53%	7.21%	49.06%	6.8055	0.0600
021.52	1		0.6800													
021.53	1		0.5640													

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022.31	23	22	133.0907	6.4229	133.0060	5.4168	0.8166	4.07%	6.0383	3.0960	6.7857	4.54%	2.33%	5.10%	2.1918	3.2923
022.32	3	3	137.8177	11.8894	137.8177	11.8894	4.8538	8.63%	11.8347	1.6104	11.9438	8.59%	1.17%	8.67%	7.4167	1.6053
022.41	32	31	130.5167	10.1348	130.8222	8.8653	1.1259	6.78%	9.9779	2.5123	10.2893	7.64%	1.92%	7.88%	4.0955	2.4409
022.42	22	22	138.7611	7.9861	139.4610	5.9806	0.9016	4.29%	7.7255	2.8618	8.2385	5.57%	2.06%	5.94%	2.8788	3.1023
022.43	11	11	137.7950	8.2142	137.9595	8.2930	1.7681	6.01%	7.7922	3.6757	8.6156	5.65%	2.67%	6.25%	2.3440	3.7318
022.52	2	2	126.2500	6.0104												
022.53	2	2	131.9250	1.5203												
022.99	2	2	131.8330	1.1554												
023.01	1		0.0010													
025.31	20	19	328.4550	47.9839	327.3617	21.1325	3.4281	6.46%	47.8827	4.4055	48.0849	14.58%	1.34%	14.64%	10.9148	4.7700
025.32	2	2	356.8613	42.2303												
025.41	32	30	318.6474	27.1147	316.7225	19.3534	2.4985	6.11%	23.9119	18.0791	29.9772	7.50%	5.67%	9.41%	1.6581	13.9323
025.42	20	20	303.1288	40.6074	297.7738	26.1616	4.1365	8.79%	39.8522	11.0240	41.3488	13.15%	3.64%	13.64%	3.7508	11.6235
025.43	9	9	320.7133	31.4299	320.2056	27.6066	6.5069	8.62%	31.0504	6.8865	31.8049	9.68%	2.15%	9.92%	4.6184	8.1333
025.52	1		322.5000													
025.53	1		302.2000													
025.99	2	2	317.8137	4.1526												
026.31	1		0.1000													
026.34	1		0.2690													
026.42	1		0.1634													
026.99	1		0.0000													
027.31	20	19	0.2175	0.0170	0.2149	0.0120	0.0019	5.58%	0.0168	0.0040	0.0172	7.70%	1.86%	7.92%	4.2645	0.0041
027.32	6	5	0.2100	0.0063	0.2100	0.0063	0.0020	3.02%	0.0063	0.0008	0.0064	3.01%	0.38%	3.03%	8.0269	0.0007
027.41	32	31	0.2174	0.0181	0.2146	0.0102	0.0013	4.73%	0.0177	0.0056	0.0186	8.14%	2.55%	8.53%	3.3401	0.0048
027.42	21	21	0.2069	0.0128	0.2051	0.0086	0.0013	4.20%	0.0121	0.0059	0.0134	5.84%	2.83%	6.49%	2.2898	0.0056
027.43	8	8	0.2073	0.0125	0.2097	0.0093	0.0023	4.46%	0.0113	0.0074	0.0135	5.47%	3.58%	6.53%	1.8267	0.0084
027.52	1		0.2071													
027.53	2	2	0.2081	0.0036												
027.99	1		0.2177													
028.31	19	19	90.5116	11.9462	89.5528	7.7905	1.2638	8.70%	11.8071	2.5705	12.0836	13.04%	2.84%	13.35%	4.7008	2.9032
028.32	4	4	70.6865	47.0997	70.6865	47.0997	16.6523	66.63%	47.0830	1.7730	47.1164	66.61%	2.51%	66.66%	26.5737	1.3505
028.41	31	30	94.3418	10.4185	92.7310	4.9819	0.6432	5.37%	10.2069	2.9540	10.6258	10.82%	3.13%	11.26%	3.5971	2.7257
028.42	22	21	93.2505	9.1317	93.4541	4.7962	0.7401	5.13%	8.8463	3.2029	9.4083	9.49%	3.43%	10.09%	2.9375	3.0448
028.43	11	11	95.8223	5.1251	95.3226	4.8709	1.0385	5.11%	4.7433	2.7452	5.4804	4.95%	2.86%	5.72%	1.9964	3.0045
028.52	1		97.0000													
028.53	2	2	92.1800	1.2304												
028.99	2	2	91.0873	1.1211												
029.99	1		0.0475													

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031.00	2	2	0.6222	0.0031												
031.01	52	51	0.6680	0.0366	0.6657	0.0255	0.0025	3.83%	0.0360	0.0087	0.0371	5.40%	1.31%	5.55%	4.2506	0.0091
031.02	3	3	0.6729	0.0148	0.6729	0.0148	0.0060	2.20%	0.0117	0.0128	0.0173	1.74%	1.90%	2.58%	1.3558	0.0130
031.03	5	5	0.6636	0.0502	0.6636	0.0502	0.0159	7.57%	0.0489	0.0161	0.0515	7.37%	2.43%	7.76%	3.1935	0.0121
031.04	2	2	0.6225	0.0177												
031.06	2	2	0.7600	0.0849												
031.41	37	36	0.6573	0.1216	0.6610	0.0303	0.0036	4.58%	0.1213	0.0125	0.1219	18.46%	1.91%	18.55%	9.7218	0.0122
031.42	22	21	0.6565	0.0331	0.6582	0.0177	0.0027	2.70%	0.0310	0.0164	0.0351	4.73%	2.50%	5.35%	2.1415	0.0169
031.43	11	11	0.6513	0.0455	0.6554	0.0366	0.0078	5.58%	0.0452	0.0071	0.0458	6.94%	1.09%	7.03%	6.4283	0.0085
031.52	1		0.6349													
031.53	2	2	0.6145	0.0297												
031.99	6	5	0.6440	0.0331	0.6440	0.0331	0.0105	5.13%	0.0320	0.0118	0.0341	4.97%	1.84%	5.29%	2.8816	0.0160
032.02	5	5	1.0492	0.1145	1.0492	0.1145	0.0362	10.92%	0.0828	0.1119	0.1392	7.89%	10.66%	13.27%	1.2443	0.0876
032.31	18	18	1.0119	0.1212	1.0265	0.0689	0.0115	6.71%	0.1205	0.0177	0.1218	11.91%	1.75%	12.04%	6.8815	0.0204
032.32	4	4	1.0700	0.1173	1.0700	0.1173	0.0415	10.97%	0.1173	0.0061	0.1174	10.96%	0.57%	10.97%	19.3966	0.0060
032.41	33	30	1.0229	0.0509	1.0220	0.0441	0.0057	4.31%	0.0482	0.0233	0.0535	4.71%	2.28%	5.23%	2.2999	0.0224
032.42	21	20	1.0295	0.0429	1.0302	0.0356	0.0056	3.46%	0.0376	0.0292	0.0476	3.65%	2.83%	4.62%	1.6305	0.0286
032.43	8	8	1.0154	0.0495	1.0119	0.0247	0.0062	2.44%	0.0466	0.0237	0.0523	4.59%	2.33%	5.15%	2.2051	0.0296
032.52	1		1.0722													
032.53	2	2	1.0260	0.0163												
032.99	1		1.0820													
033.00	22	22	0.6758	0.0857	0.6796	0.0833	0.0126	12.26%	0.0846	0.0198	0.0869	12.51%	2.92%	12.85%	4.3951	0.0209
033.01	35	34	0.7174	0.0398	0.7156	0.0183	0.0022	2.55%	0.0383	0.0151	0.0412	5.34%	2.10%	5.74%	2.7322	0.0142
033.03	10	10	0.6782	0.0760	0.6535	0.0310	0.0069	4.75%	0.0745	0.0218	0.0776	10.98%	3.22%	11.44%	3.5569	0.0211
033.05	1		0.6950													
033.99	8	8	0.6489	0.0791	0.6370	0.0714	0.0179	11.21%	0.0789	0.0079	0.0793	12.17%	1.22%	12.23%	10.0056	0.0103
034.01	1		0.5555													
034.04	8	8	0.5582	0.0787	0.5570	0.0869	0.0217	15.60%	0.0779	0.0156	0.0795	13.96%	2.80%	14.24%	5.0858	0.0199
034.41	1		0.1500													
034.42	1		1.6960													
034.43	1		0.3145													
034.52	3	3	0.6923	0.1843	0.6923	0.1843	0.0752	26.61%	0.1838	0.0192	0.1848	26.54%	2.77%	26.69%	9.6266	0.0160
034.53	2	2	0.5283	0.0343												
034.99	2	2	0.5425	0.0742												
035.01	2	2	0.2575	0.0247												
035.05	8	8	0.2353	0.0217	0.2338	0.0075	0.0019	3.20%	0.0205	0.0103	0.0229	8.70%	4.38%	9.74%	2.2250	0.0106
035.31	22	21	0.2534	0.0503	0.2403	0.0147	0.0023	6.12%	0.0501	0.0057	0.0504	19.78%	2.27%	19.91%	8.7751	0.0060
035.32	6	6	0.2738	0.0238	0.2696	0.0024	0.0007	0.87%	0.0238	0.0013	0.0238	8.68%	0.46%	8.69%	18.8988	0.0011

Method Code	Total # Labs Submitting	# Labs Included in Calculations	Mean	SD	Assigned Value - Robust Mean	AAFCO CS ftp - Robust sd	Uncertainty (U)	% RSD	Between Labs sL	Within Labs sr	Reproducibility sR	Between Labs %RSD	Within Labs %/rsd	Reproducibility %RSD	sR/sr	Average Range (R-bar)
035.41	37	36	0.2369	0.0400	0.2406	0.0146	0.0017	6.09%	0.0399	0.0040	0.0401	16.86%	1.68%	16.94%	10.1115	0.0037
035.42	20	19	0.2424	0.0297	0.2389	0.0204	0.0033	8.52%	0.0295	0.0047	0.0299	12.18%	1.95%	12.34%	6.3216	0.0042
035.43	9	9	0.2274	0.0141	0.2277	0.0155	0.0037	6.82%	0.0137	0.0048	0.0145	6.04%	2.09%	6.39%	3.0555	0.0054
035.52	1		0.2557													
035.53	2	2	0.2305	0.0043												
035.99	1		0.2534													
036.00	1		0.4100													
036.04	1		0.2850													
036.42	17	17	0.2696	0.0264	0.2711	0.0167	0.0029	6.15%	0.0258	0.0074	0.0269	9.58%	2.74%	9.96%	3.6371	0.0080
036.43	8	7	0.2759	0.0240	0.2744	0.0242	0.0065	8.82%	0.0239	0.0027	0.0241	8.67%	0.99%	8.73%	8.7974	0.0019
036.99	1		0.2305													
037.31	23	23	303.0333	21.8388	300.6601	17.6266	2.5989	5.86%	21.4019	6.1470	22.2671	7.06%	2.03%	7.35%	3.6225	6.8561
037.32	5	5	319.9307	12.6123	319.9307	12.6123	3.9883	3.94%	11.6634	6.7874	13.4946	3.65%	2.12%	4.22%	1.9882	5.8771
037.33	1		310.0000													
037.41	34	32	306.1918	14.9128	305.5783	15.0736	1.8842	4.93%	13.9523	7.4465	15.8151	4.56%	2.43%	5.17%	2.1238	7.0090
037.42	23	23	307.5259	19.0887	307.9311	14.5302	2.1424	4.72%	17.9280	9.2702	20.1829	5.83%	3.01%	6.56%	2.1772	8.8152
037.43	12	12	315.1900	25.1676	318.1367	21.2343	4.3344	6.67%	24.8051	6.0184	25.5248	7.87%	1.91%	8.10%	4.2411	6.8917
037.52	1		310.0000													
037.53	2	2	283.5250	2.8638												
037.99	2	2	314.6855	13.8388												
038.31	1		2.3500													
038.41	2	2	2.4279	0.2151												
038.42	4	4	1.8616	0.2680	1.8616	0.2680	0.0948	14.40%	0.1895	0.2681	0.3283	10.18%	14.40%	17.63%	1.2246	0.2253
038.43	3	3	1.2833	1.1117	1.2833	1.1117	0.4538	86.62%	1.1098	0.0913	1.1136	86.48%	7.11%	86.77%	12.1984	0.1000
038.52	2	2	1.9100	0.1556												
039.31	1		2.1000													
039.41	1		2.3430													
039.42	3	3	1.9757	0.6058	1.9757	0.6058	0.2473	30.66%	0.5924	0.1792	0.6189	29.99%	9.07%	31.33%	3.4544	0.2453
039.52	1		2.8000													
040.42	2	2	3.8588	0.5180												
050.01	10	10	0.0051	0.0006	0.0051	0.0007	0.0002	13.62%	0.0006	0.0002	0.0006	11.67%	4.60%	12.55%	2.7294	0.0002
101.99	1		928.5000													
104.00	4	4	6.5400	0.5593	6.5400	0.5593	0.1978	8.55%	0.4772	0.4126	0.6309	7.30%	6.31%	9.65%	1.5290	0.5150
104.03	1		4.7500													
105.00	2	2	1.5375	0.3359												
105.01	3	3	2.3583	0.8891	2.3583	0.8891	0.3630	37.70%	0.8864	0.0987	0.8919	37.59%	4.19%	37.82%	9.0323	0.1100
106.00	1		4.3250													
106.02	14	14	5.2808	4.0310	4.4948	2.1066	0.3981	46.87%	4.0207	0.4070	4.0413	76.14%	7.71%	76.53%	9.9288	0.4015

Method Code	Total # Labs Submitting	# Labs Included in Calculations	Mean	SD	Assigned Value - Robust Mean	AAFCO CS ftp - Robust sd	Uncertainty (U)	% RSD	Between Labs sL	Within Labs sr	Reproducibility sR	Between Labs %RSD	Within Labs %/rsd	Reproducibility %RSD	sR/sr	Average Range (R-bar)
107.00	1		20.0000													
107.99	1		20.4200													
108.02	1		1.5950													
109.02	9	9	160.5005	66.8054	147.0047	30.6394	7.2218	20.84%	66.6187	7.0578	66.9915	41.51%	4.40%	41.74%	9.4919	6.7435
109.99	1		155.0000													
113.01	2	2	2.3375	0.0177												
113.99	1		2.0000													
114.01	2	2	0.2845	0.0198												
120.00	14	13	1.1882	0.0374	1.1942	0.0269	0.0053	2.25%	0.0320	0.0275	0.0422	2.69%	2.31%	3.55%	1.5354	0.0211
120.05	2	2	1.1448	0.0209												
120.99	1		1.1150													
121.00	14	13	1.5836	0.1701	1.5711	0.0439	0.0086	2.79%	0.1696	0.0191	0.1707	10.71%	1.21%	10.78%	8.9342	0.0219
121.05	2	2	1.4643	0.1354												
121.99	1		0.9700													
122.00	14	13	2.2524	0.0765	2.2649	0.0480	0.0094	2.12%	0.0710	0.0403	0.0816	3.15%	1.79%	3.62%	2.0255	0.0433
122.05	2	2	2.1835	0.0049												
122.99	1		2.2900													
124.00	12	11	0.3510	0.0156	0.3504	0.0152	0.0032	4.33%	0.0150	0.0062	0.0162	4.27%	1.77%	4.63%	2.6162	0.0060
124.02	2	2	0.3230	0.0099												
124.05	2	2	0.4430	0.1245												
124.99	1		0.4500													
125.00	14	13	4.0897	0.1236	4.1052	0.0956	0.0187	2.33%	0.1221	0.0272	0.1251	2.99%	0.67%	3.06%	4.5941	0.0284
125.05	2	2	3.7388	0.0018												
125.99	1		4.37													
126.00	14	13	1.2066962	0.0941098	1.1854346	0.0314486	0.006168	2.65%	0.0923094	0.025909	0.0958765	7.65%	2.15%	7.95%	3.700527	0.026531
126.05	2	2	1.17275	0.0668216												
126.99	1		1.08													
127.00	14	13	0.6034346	0.0469842	0.5959913	0.0208626	0.004091	3.50%	0.0460562	0.013141	0.0478943	7.63%	2.18%	7.94%	3.644653	0.012777
127.05	2	2	0.587	0.0289914												
127.99	1		0.575													
128.00	14	13	0.9155385	0.0732929	0.9183926	0.0551615	0.010818	6.01%	0.0714972	0.022804	0.0750457	7.81%	2.49%	8.20%	3.290966	0.018908
128.05	2	2	0.9205	0.0445477												
128.99	1		0.895													
129.00	14	14	1.8787857	0.085282	1.8702723	0.0527837	0.009975	2.82%	0.0752014	0.056882	0.0942911	4.00%	3.03%	5.02%	1.657662	0.046014
129.05	2	2	1.84375	0.1431891												
129.99	1		1.66													
130.00	15	14	1.451	0.0878585	1.4369042	0.0433264	0.008188	3.02%	0.0863537	0.022898	0.0893379	5.95%	1.58%	6.16%	3.901624	0.021729
130.01	1		1.475													

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130.05	5	5	1.4013	0.0884135	1.4013	0.0884135	0.027959	6.31%	0.0687903	0.078547	0.1044117	4.91%	5.61%	7.45%	1.329282	0.095
130.99	2	2	1.4425	0.0247487												
131.00	12	11	0.4283409	0.018707	0.4276239	0.0197305	0.004207	4.61%	0.0181832	0.006217	0.0192166	4.25%	1.45%	4.49%	3.091178	0.006445
131.02	2	2	0.4985	0.0615183												
131.05	3	3	0.4078333	0.0934964	0.4078333	0.0934964	0.03817	22.93%	0.0803441	0.067623	0.1050143	19.70%	16.58%	25.75%	1.552944	0.071667
131.99	2	2	0.4425	0.0813173												
132.00	14	14	1.1079607	0.0913961	1.0980466	0.0523085	0.009885	4.76%	0.0879139	0.035338	0.0947503	7.93%	3.19%	8.55%	2.681266	0.028979
132.05	2	2	1.0745	0.1067731												
132.99	1		0.945													
133.00	14	13	1.3409731	0.2727822	1.4043077	0.0541582	0.010621	3.86%	0.2723965	0.020505	0.2731673	20.31%	1.53%	20.37%	13.3217	0.020638
133.05	2	2	1.39075	0.0081317												
133.99	1		1.23													
134.00	14	13	1.0881923	0.0595359	1.0949615	0.0442248	0.008673	4.04%	0.058417	0.016247	0.0606342	5.37%	1.49%	5.57%	3.732047	0.015308
134.05	2	2	1.102	0.1103087												
134.99	1		1.05													
135.00	14	13	0.9503462	0.0423189	0.9547154	0.0368766	0.007232	3.86%	0.0412136	0.013589	0.0433961	4.34%	1.43%	4.57%	3.193531	0.013154
135.05	3	3	0.7933333	0.3063631	0.7933333	0.3063631	0.125072	38.62%	0.173555	0.357035	0.3969828	21.88%	45.00%	50.04%	1.111888	0.366
135.99	1		1.125													
136.00	1		0.292													
136.01	5	5	0.27963	0.0169325	0.27963	0.0169325	0.005355	6.06%	0.0165786	0.00487	0.0172792	5.93%	1.74%	6.18%	3.547779	0.00542
136.03	1		0.256													
136.99	2	2	0.2575	0.0035355												
137.00	8	8	0.7995063	0.1073705	0.774354	0.0567197	0.01418	7.32%	0.1047919	0.033079	0.1098887	13.11%	4.14%	13.74%	3.322049	0.037913
137.05	2	2	0.587	0.1385929												
137.99	1		0.595													
138.00	14	13	1.0639077	0.1287836	1.0572658	0.0749159	0.014692	7.09%	0.1285285	0.011456	0.1290381	12.08%	1.08%	12.13%	11.26347	0.010015
138.05	2	2	1.0425	0.0240416												
138.99	1		1.05													
139.00	1		0.065													
140.01	1		0.205													
141.00	1		0.1015													
142.00	1		0.1325													
150.00	2	2	1128	67.175144												
150.99	2	2	1089.8	56.851385												
300.01	2	2	0.6	0.212132												
300.20	1		0.13													