

AAFCO Check Sample Program

Methods Report

Sort by Method

Proficiency For Individual Methods

Sample # 201023

Chicken Starter/Grower, 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)
000.01	1		0.0500													
001.00	13	9	9.6672	1.3976	9.9983	0.5158	0.1216	5.16%	1.3952	0.1163	1.4000	14.43%	1.20%	14.48%	12.0371	0.1033
001.03	4	4	9.9300	0.1383	9.9300	0.1383	0.0489	1.39%	0.0860	0.1531	0.1756	0.87%	1.54%	1.77%	1.1472	0.1800
001.05	1		10.0700													
001.07	35	33	9.9185	0.4266	9.9564	0.3456	0.0425	3.47%	0.4209	0.0978	0.4321	4.24%	0.99%	4.36%	4.4193	0.0840
001.08	1		9.7500													
001.99	15	12	9.8454	0.7554	10.0639	0.2939	0.0600	2.92%	0.7539	0.0691	0.7570	7.66%	0.70%	7.69%	10.9509	0.0864
002.00	9	9	17.9131	0.6727	17.8385	0.6087	0.1435	3.41%	0.6432	0.2785	0.7009	3.59%	1.55%	3.91%	2.5166	0.2913
002.01	7	7	17.7115	0.1180	17.7158	0.1240	0.0331	0.70%	0.0566	0.1464	0.1570	0.32%	0.83%	0.89%	1.0722	0.1279
002.02	7	7	17.7627	0.4056	17.7627	0.4599	0.1229	2.59%	0.3908	0.1534	0.4198	2.20%	0.86%	2.36%	2.7371	0.1622
002.03	1		18.0950													
002.04	9	9	17.9722	0.3961	17.9461	0.3932	0.0927	2.19%	0.3851	0.1310	0.4068	2.14%	0.73%	2.26%	3.1058	0.1489
002.05	17	16	17.7232	0.1895	17.7137	0.1770	0.0313	1.00%	0.1824	0.0730	0.1964	1.03%	0.41%	1.11%	2.6920	0.0784
002.06	198	127	17.9336	0.3813	17.9316	0.3208	0.0201	1.79%	0.3656	0.1530	0.3964	2.04%	0.85%	2.21%	2.5901	0.1595
002.08	3	3	17.9283	0.1966	17.9283	0.1966	0.0803	1.10%	0.1497	0.1803	0.2343	0.84%	1.01%	1.31%	1.2998	0.1807
002.10	7	7	17.6712	0.1338	17.6691	0.1481	0.0396	0.84%	0.1008	0.1245	0.1602	0.57%	0.70%	0.91%	1.2865	0.1400
002.11	11	11	17.9268	0.5248	17.9175	0.5774	0.1231	3.22%	0.5190	0.1105	0.5306	2.89%	0.62%	2.96%	4.8028	0.1245
002.99	2	2	18.2625	0.2793												
003.00	22	21	5.8054	0.5628	5.8882	0.3323	0.0513	5.64%	0.5604	0.0729	0.5651	9.65%	1.26%	9.73%	7.7547	0.0724
003.01	1		5.7100													
003.06	24	22	5.8634	0.1978	5.8253	0.1196	0.0180	2.05%	0.1874	0.0893	0.2076	3.20%	1.52%	3.54%	2.3260	0.0933
003.09	26	24	5.8620	0.1617	5.8550	0.1078	0.0156	1.84%	0.1530	0.0740	0.1699	2.61%	1.26%	2.90%	2.2957	0.0814
003.10	24	23	5.7955	0.2180	5.7864	0.1445	0.0213	2.50%	0.2042	0.1082	0.2311	3.52%	1.87%	3.99%	2.1358	0.1155
003.11	10	10	5.5680	0.2862	5.5860	0.2824	0.0632	5.06%	0.2853	0.0322	0.2871	5.12%	0.58%	5.16%	8.9032	0.0320
003.12	5	5	6.0240	0.3413	6.0240	0.3413	0.1079	5.67%	0.3237	0.1533	0.3581	5.37%	2.54%	5.95%	2.3363	0.1760
003.13	5	5	5.6611	0.3204	5.6611	0.3204	0.1013	5.66%	0.3168	0.0675	0.3239	5.60%	1.19%	5.72%	4.8023	0.0738
003.14	21	21	5.8123	0.2138	5.7988	0.1497	0.0231	2.58%	0.2087	0.0658	0.2188	3.59%	1.13%	3.76%	3.3251	0.0765

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003.99	10	7	5.8571	0.2738	5.8612	0.3019	0.0807	5.15%	0.2693	0.0699	0.2782	4.60%	1.19%	4.75%	3.9798	0.0714
004.00	26	25	3.7633	0.4592	3.7232	0.3450	0.0488	9.27%	0.4282	0.2345	0.4882	11.38%	6.23%	12.97%	2.0820	0.1409
004.01	2	2	5.0275	0.1096												
004.03	2	2	4.7083	1.2046												
004.06	25	23	3.9706	0.4288	3.9363	0.3750	0.0553	9.53%	0.4247	0.0838	0.4329	10.70%	2.11%	10.90%	5.1669	0.0762
004.07	43	43	3.6383	0.4696	3.6529	0.4787	0.0516	13.11%	0.4630	0.1113	0.4762	12.72%	3.06%	13.09%	4.2772	0.1255
004.11	9	9	4.4239	0.2266	4.4340	0.2217	0.0522	5.00%	0.2169	0.0928	0.2359	4.90%	2.10%	5.33%	2.5414	0.0944
004.99	4	4	3.9388	0.4304	3.9388	0.4304	0.1522	10.93%	0.4291	0.0478	0.4317	10.89%	1.21%	10.96%	9.0270	0.0625
005.00	176	111	5.2630	0.1703	5.2658	0.1768	0.0119	3.36%	0.1659	0.0545	0.1746	3.15%	1.03%	3.32%	3.2068	0.0554
005.02	1		5.4600													
005.05	9	9	5.9483	1.4254	5.5095	0.1150	0.0271	2.09%	1.4251	0.0444	1.4258	23.96%	0.75%	23.97%	32.0943	0.0469
005.11	7	6	6.0875	0.6560	6.2442	0.3163	0.0913	5.07%	0.6542	0.0697	0.6579	10.75%	1.14%	10.81%	9.4382	0.0817
005.99	7	7	5.3786	0.1512	5.3730	0.1600	0.0428	2.98%	0.1245	0.1214	0.1739	2.31%	2.26%	3.23%	1.4321	0.1314
008.02	12	12	5.6179	0.7383	5.4783	0.5308	0.1083	9.69%	0.7332	0.1216	0.7433	13.05%	2.16%	13.23%	6.1121	0.1475
008.05	1		5.6000													
008.08	23	23	5.1167	0.6414	5.0703	0.5306	0.0782	10.46%	0.6324	0.1509	0.6502	12.36%	2.95%	12.71%	4.3084	0.1559
008.99	3	3	4.3928	0.5692	4.3928	0.5692	0.2324	12.96%	0.5254	0.3096	0.6098	11.96%	7.05%	13.88%	1.9698	0.3617
009.04	1		13.3600													
009.07	8	8	13.9344	1.0310	13.9060	1.1133	0.2783	8.01%	0.9926	0.3941	1.0680	7.12%	2.83%	7.66%	2.7097	0.3838
009.09	18	17	13.0533	0.8724	13.0391	0.9599	0.1646	7.36%	0.8619	0.1912	0.8828	6.60%	1.46%	6.76%	4.6181	0.2045
009.99	2	2	15.5355	0.1209												
010.03	4	4	8.9991	1.5860	8.9991	1.5860	0.5607	17.62%	1.5835	0.1234	1.5884	17.60%	1.37%	17.65%	12.8682	0.1564
010.11	9	8	10.4463	0.3832	10.4525	0.3887	0.0972	3.72%	0.3801	0.0682	0.3862	3.64%	0.65%	3.70%	5.6633	0.0700
010.99	11	11	9.9199	0.4961	9.9581	0.4635	0.0988	4.65%	0.4723	0.2147	0.5188	4.76%	2.16%	5.23%	2.4163	0.2064
011.01	141	70	10.7691	0.3323	10.7998	0.2932	0.0248	2.71%	0.3277	0.0780	0.3369	3.04%	0.72%	3.13%	4.3168	0.0812
011.02	2	2	10.8775	0.1732												
011.99	3	3	158.1917	254.8102	158.1917	254.8102	104.0258	161.08%		362.1822			228.95%			296.4100
012.00	4	4	38.2450	1.0967	38.2450	1.0967	0.3877	2.87%	1.0778	0.2869	1.1153	2.82%	0.75%	2.92%	3.8876	0.3300
012.01	1		34.6400													
012.02	1		-1.0000													
012.03	1		34.9000													
012.04	5	5	35.7290	3.5568	35.7290	3.5568	1.1248	9.95%	3.5467	0.3785	3.5668	9.93%	1.06%	9.98%	9.4240	0.3980
012.11	4	4	38.9113	0.7631	38.9113	0.7631	0.2698	1.96%	0.7175	0.3677	0.8062	1.84%	0.95%	2.07%	2.1925	0.3575
013.00	6	5	6.9100	0.2994	6.9100	0.2994	0.0947	4.33%	0.2274	0.2753	0.3571	3.29%	3.98%	5.17%	1.2971	0.3040
013.02	93	29	6.9040	0.5044	6.9258	0.5142	0.0675	7.42%	0.4952	0.1359	0.5135	7.17%	1.97%	7.44%	3.7792	0.1490
013.03	1		4.8300													
013.10	10	10	6.3085	0.3958	6.3309	0.3573	0.0799	5.64%	0.3866	0.1195	0.4047	6.13%	1.89%	6.41%	3.3872	0.1373
013.11	2	2	6.3750	1.3789												

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013.12	2	2	6.7150	0.0071												
013.13	1		7.9250													
015.41	3	3	85.2290	14.9834	85.2290	14.9834	6.1170	17.58%	14.9722	0.8193	14.9946	17.57%	0.96%	17.59%	18.3015	0.9133
015.42	3	3	93.3833	9.7114	93.3833	9.7114	3.9647	10.40%	9.7037	0.5446	9.7190	10.39%	0.58%	10.41%	17.8458	0.6867
015.43	4	4	93.4725	16.0392	93.4725	16.0392	5.6707	17.16%	15.7721	4.1225	16.3020	16.87%	4.41%	17.44%	3.9544	5.1500
015.52	1		93.0000													
017.41	2	2	9.0700	0.2404												
017.42	3	3	9.7400	0.3619	9.7400	0.3619	0.1477	3.72%	0.3021	0.2818	0.4131	3.10%	2.89%	4.24%	1.4659	0.3200
017.43	3	3	10.1917	1.5497	10.1917	1.5497	0.6327	15.21%	1.5479	0.1043	1.5515	15.19%	1.02%	15.22%	14.8716	0.1300
018.34	1		0.0570													
018.41	1		0.0815													
018.42	1		0.0935													
018.43	1		0.3290													
018.52	1		0.0830													
019.00	10	9	0.8798	0.0866	0.8667	0.0636	0.0150	7.34%	0.0863	0.0100	0.0869	9.81%	1.13%	9.88%	8.7268	0.0099
019.03	4	4	0.8952	0.0594	0.8952	0.0594	0.0210	6.63%	0.0547	0.0326	0.0637	6.11%	3.64%	7.12%	1.9533	0.0282
019.05	1		0.9160													
019.06	1		0.8450													
019.08	6	6	0.8642	0.0183	0.8642	0.0207	0.0060	2.40%	0.0160	0.0126	0.0203	1.85%	1.46%	2.35%	1.6157	0.0150
019.31	28	28	0.8681	0.0519	0.8723	0.0336	0.0045	3.85%	0.0509	0.0142	0.0529	5.87%	1.64%	6.09%	3.7225	0.0153
019.32	12	11	0.8642	0.0413	0.8711	0.0304	0.0065	3.49%	0.0400	0.0148	0.0426	4.62%	1.71%	4.93%	2.8854	0.0157
019.41	35	34	0.8680	0.0403	0.8673	0.0367	0.0045	4.23%	0.0378	0.0199	0.0427	4.35%	2.30%	4.92%	2.1430	0.0196
019.42	22	22	0.8980	0.0645	0.8908	0.0519	0.0078	5.82%	0.0635	0.0156	0.0654	7.07%	1.74%	7.28%	4.1940	0.0175
019.43	13	12	0.8764	0.0537	0.8795	0.0536	0.0109	6.09%	0.0519	0.0198	0.0555	5.92%	2.25%	6.34%	2.8103	0.0177
019.52	2	2	0.8243	0.0930												
019.53	1		0.8680													
019.99	2	2	0.8872	0.0031												
020.31	1		2.1500													
020.32	1		-1.0000													
020.41	2	2	1.6491	0.5644												
020.42	3	3	2.2283	0.4639	2.2283	0.4639	0.1894	20.82%	0.4609	0.0749	0.4669	20.68%	3.36%	20.95%	6.2303	0.0767
020.43	3	3	2.3822	0.5098	2.3822	0.5098	0.2081	21.40%	0.4892	0.2029	0.5296	20.53%	8.52%	22.23%	2.6103	0.2406
020.52	1		2.7000													
020.99	1		1.7250													
021.31	1		0.5500													
021.32	1		-1.0000													
021.34	1		0.5100													
021.41	4	4	0.8256	0.3171	0.8256	0.3171	0.1121	38.40%	0.3158	0.0399	0.3183	38.25%	4.84%	38.56%	7.9714	0.0431

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021.42	4	4	0.3733	0.2827	0.3733	0.2827	0.0999	75.73%	0.2821	0.0244	0.2832	75.59%	6.54%	75.87%	11.6092	0.0260
021.43	3	3	16.2500	26.7183	16.2500	26.7183	10.9077	164.42%	26.7173	0.3301	26.7193	164.41%	2.03%	164.43%	80.9552	0.3200
021.52	1		0.5750													
021.53	1		0.3370													
021.99	1		0.3350													
022.04	1		19.5000													
022.31	17	17	20.3697	2.1618	20.1691	1.9674	0.3374	9.75%	1.9325	1.3702	2.3690	9.49%	6.73%	11.63%	1.7290	1.5088
022.32	4	3	19.8950	0.6638	19.8950	0.6638	0.2710	3.34%	0.5249	0.5745	0.7782	2.64%	2.89%	3.91%	1.3546	0.6633
022.41	28	28	19.0413	1.9338	19.2973	1.2365	0.1652	6.41%	1.8428	0.8290	2.0206	9.68%	4.35%	10.61%	2.4376	0.9879
022.42	21	21	19.5026	1.9953	19.4359	0.8172	0.1261	4.20%	1.9515	0.5879	2.0381	10.01%	3.01%	10.45%	3.4669	0.5967
022.43	14	13	18.5152	1.2744	18.5609	1.3427	0.2633	7.23%	0.9448	1.2095	1.5348	5.10%	6.53%	8.29%	1.2689	1.2396
022.52	1		16.0000													
022.53	1		19.2500													
022.99	1		20.0050													
025.04	1		265.5000													
025.31	13	13	260.5788	17.0176	260.7763	18.8728	3.7013	7.24%	15.9766	8.2883	17.9985	6.13%	3.18%	6.91%	2.1716	8.8638
025.32	3	2	276.2750	1.0253	276.2750	1.0253	0.5127	0.37%		1.5240			0.55%			2.1500
025.41	26	25	242.0508	77.4727	261.4008	25.0092	3.5368	9.57%	77.3945	4.9221	77.5509	31.97%	2.03%	32.04%	15.7555	4.2967
025.42	17	16	246.0191	68.3213	260.3638	28.9048	5.1097	11.10%	67.9845	9.5825	68.6565	27.63%	3.90%	27.91%	7.1648	9.6919
025.43	11	11	284.6243	21.2535	285.9142	15.2066	3.2421	5.32%	20.1026	9.7570	22.3453	7.06%	3.43%	7.85%	2.2902	11.6205
025.52	1		289.5000													
025.99	1		270.6750													
026.31	1		0.4500													
026.34	1		0.3950													
026.52	1		0.0860													
027.03	1		0.2245													
027.04	1		0.1850													
027.31	16	16	0.1981	0.0082	0.1980	0.0090	0.0016	4.53%	0.0072	0.0054	0.0090	3.64%	2.72%	4.54%	1.6676	0.0041
027.32	7	6	0.1939	0.0194	0.2000	0.0001	0.0000	0.07%	0.0192	0.0040	0.0196	9.89%	2.08%	10.11%	4.8592	0.0035
027.41	27	27	0.2019	0.0145	0.2001	0.0107	0.0015	5.33%	0.0140	0.0054	0.0150	6.92%	2.70%	7.43%	2.7515	0.0049
027.42	19	19	0.2018	0.0129	0.2011	0.0127	0.0021	6.33%	0.0124	0.0047	0.0133	6.16%	2.32%	6.58%	2.8404	0.0044
027.43	11	10	0.2006	0.0093	0.1997	0.0074	0.0016	3.69%	0.0089	0.0038	0.0096	4.42%	1.88%	4.80%	2.5551	0.0039
027.52	1		0.1923													
027.53	1		0.1950													
027.99	1		0.1957													
028.04	1		89.5000													
028.31	17	17	91.9259	11.5965	90.4435	6.4294	1.1026	7.11%	11.4429	2.6601	11.7480	12.45%	2.89%	12.78%	4.4164	2.7071
028.32	5	4	82.3988	14.0010	82.3988	14.0010	4.9501	16.99%	13.9314	1.9726	14.0703	16.91%	2.39%	17.08%	7.1330	2.2575

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028.41	29	28	90.2523	7.2477	89.9280	5.5007	0.7351	6.12%	7.0267	2.5117	7.4621	7.79%	2.78%	8.27%	2.9709	2.7432
028.42	22	21	87.9500	21.6498	94.0981	3.8160	0.5888	4.06%	21.5366	3.1271	21.7624	24.49%	3.56%	24.74%	6.9592	3.1400
028.43	14	14	95.5157	7.0623	96.2727	5.6301	1.0640	5.85%	5.7566	5.7859	8.1618	6.03%	6.06%	8.54%	1.4106	6.0940
028.52	1		91.6500													
028.53	1		97.5500													
028.99	1		95.6300													
031.00	2	2	0.6610	0.0205												
031.01	46	43	0.6929	0.0410	0.6970	0.0252	0.0027	3.61%	0.0404	0.0097	0.0416	5.84%	1.40%	6.00%	4.2933	0.0097
031.02	4	4	0.7103	0.0006	0.7103	0.0006	0.0002	0.08%		0.0074			1.04%			0.0064
031.03	5	5	0.6988	0.0255	0.6988	0.0255	0.0081	3.65%	0.0254	0.0034	0.0256	3.63%	0.48%	3.67%	7.6210	0.0030
031.04	1		0.7100													
031.05	1		0.6100													
031.06	2	2	0.7775	0.0884												
031.07	1		0.6950													
031.41	32	31	0.7158	0.0576	0.7078	0.0316	0.0040	4.46%	0.0568	0.0139	0.0585	7.94%	1.94%	8.17%	4.2146	0.0143
031.42	22	21	0.7082	0.0474	0.7022	0.0320	0.0049	4.56%	0.0465	0.0133	0.0484	6.57%	1.88%	6.83%	3.6380	0.0139
031.43	13	12	0.6998	0.0424	0.7071	0.0260	0.0053	3.68%	0.0417	0.0107	0.0431	5.96%	1.53%	6.16%	4.0142	0.0100
031.52	1		0.6524													
031.53	1		0.6880													
031.99	4	4	0.7088	0.0307	0.7088	0.0307	0.0108	4.32%	0.0297	0.0106	0.0316	4.19%	1.50%	4.45%	2.9752	0.0125
032.02	4	4	0.8530	0.1328	0.8530	0.1328	0.0469	15.57%	0.0771	0.1528	0.1712	9.04%	17.92%	20.07%	1.1202	0.1355
032.05	1		0.7655													
032.06	1		0.8550													
032.31	15	15	0.8603	0.0571	0.8638	0.0513	0.0094	5.94%	0.0567	0.0096	0.0575	6.59%	1.12%	6.69%	5.9686	0.0114
032.32	4	4	0.8813	0.0111	0.8813	0.0111	0.0039	1.26%	0.0020	0.0154	0.0155	0.23%	1.75%	1.76%	1.0087	0.0175
032.41	28	28	0.8698	0.0765	0.8630	0.0578	0.0077	6.70%	0.0757	0.0148	0.0772	8.71%	1.70%	8.87%	5.2094	0.0155
032.42	18	18	0.8895	0.0530	0.8895	0.0520	0.0087	5.85%	0.0513	0.0189	0.0547	5.77%	2.13%	6.15%	2.8897	0.0199
032.43	10	9	0.8930	0.0434	0.8936	0.0266	0.0063	2.97%	0.0427	0.0111	0.0442	4.78%	1.25%	4.94%	3.9654	0.0107
032.52	1		0.8998													
032.53	1		0.8840													
032.99	2	2	0.8619	0.0522												
033.00	26	25	0.4127	0.0809	0.3977	0.0547	0.0077	13.76%	0.0790	0.0250	0.0828	19.14%	6.05%	20.07%	3.3177	0.0227
033.01	28	27	0.4189	0.0254	0.4152	0.0168	0.0023	4.05%	0.0244	0.0098	0.0263	5.83%	2.33%	6.28%	2.6889	0.0096
033.03	7	7	0.4057	0.0499	0.4057	0.0566	0.0151	13.94%	0.0465	0.0254	0.0530	11.47%	6.25%	13.06%	2.0901	0.0229
033.05	1		0.4250													
033.99	7	7	0.4485	0.1398	0.4232	0.0313	0.0084	7.40%	0.1383	0.0293	0.1414	30.84%	6.53%	31.52%	4.8278	0.0319
034.01	3	3	0.4224	0.0064	0.4224	0.0064	0.0026	1.53%	0.0013	0.0089	0.0090	0.30%	2.12%	2.14%	1.0102	0.0124
034.04	6	6	0.4290	0.0321	0.4258	0.0292	0.0084	6.87%	0.0311	0.0114	0.0331	7.25%	2.67%	7.72%	2.8968	0.0121

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)
034.41	1		0.1000													
034.42	1		1.5500													
034.52	1		0.4825													
034.53	1		0.4690													
035.01	2	2	0.1650	0.0141												
035.02	1		0.1950													
035.03	1		0.1585													
035.04	1		0.1650													
035.05	4	4	0.3758	0.4226	0.3758	0.4226	0.1494	112.45%	0.4226	0.0085	0.4227	112.44%	2.25%	112.46%	49.8781	0.0099
035.31	16	16	0.1693	0.0192	0.1691	0.0193	0.0034	11.43%	0.0186	0.0070	0.0198	10.97%	4.12%	11.72%	2.8447	0.0067
035.32	6	4	0.1641	0.0151	0.1641	0.0151	0.0054	9.22%	0.0149	0.0035	0.0153	9.10%	2.16%	9.35%	4.3363	0.0026
035.41	29	28	0.1758	0.0284	0.1693	0.0135	0.0018	8.00%	0.0282	0.0048	0.0286	16.03%	2.72%	16.26%	5.9791	0.0049
035.42	17	17	0.1703	0.0293	0.1612	0.0116	0.0020	7.16%	0.0291	0.0055	0.0296	17.06%	3.24%	17.37%	5.3566	0.0059
035.43	9	9	0.1592	0.0104	0.1587	0.0087	0.0021	5.48%	0.0089	0.0075	0.0117	5.61%	4.74%	7.34%	1.5490	0.0073
035.52	1		0.1528													
035.53	1		0.1630													
035.99	1		0.1650													
036.03	1		0.2050													
036.04	1		0.2400													
036.42	17	16	0.2293	0.0196	0.2288	0.0200	0.0035	8.73%	0.0195	0.0036	0.0198	8.48%	1.58%	8.63%	5.4506	0.0039
036.43	10	10	0.2407	0.0242	0.2355	0.0120	0.0027	5.10%	0.0236	0.0071	0.0247	9.82%	2.95%	10.25%	3.4703	0.0069
036.99	1		0.2200													
037.02	1		100.5000													
037.31	17	17	102.0112	12.0701	98.7152	4.6523	0.7979	4.71%	11.8754	3.0531	12.2616	11.64%	2.99%	12.02%	4.0161	3.0365
037.32	4	3	108.0667	9.1440	108.0667	9.1440	3.7330	8.46%	8.8882	3.0375	9.3929	8.22%	2.81%	8.69%	3.0923	3.4667
037.41	29	28	100.4808	10.8689	99.5809	8.2652	1.1045	8.30%	10.5492	3.7007	11.1795	10.50%	3.68%	11.13%	3.0209	3.6802
037.42	21	20	95.5373	22.8789	100.5340	3.6992	0.5849	3.68%	22.6936	4.1100	23.0627	23.75%	4.30%	24.14%	5.6114	3.5225
037.43	14	14	106.9707	22.9593	102.6064	10.5771	1.9989	10.31%	22.7858	3.9846	23.1316	21.30%	3.72%	21.62%	5.8052	4.2169
037.52	1		93.5000													
037.53	1		96.5500													
037.99	1		101.2750													
038.31	1		2.0000													
038.34	1		1.0050													
038.41	1		1.4495													
038.42	3	3	1.3950	0.1866	1.3950	0.1866	0.0762	13.38%	0.1706	0.1068	0.2013	12.23%	7.66%	14.43%	1.8842	0.1233
038.43	4	4	1.5111	0.4619	1.5111	0.4619	0.1633	30.57%	0.3906	0.3488	0.5237	25.85%	23.08%	34.65%	1.5014	0.3120
038.52	1		1.5300													
039.31	1		1.6500													

Method Code	Total # Labs Submitting	# Labs Included in Calculations	Mean	SD	Assigned Value - Robust Mean	AAFCCO 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)
039.41	1		1.9208													
039.42	2	2	2.0475	0.1450												
039.43	2	2	1.9221	0.4587												
039.52	1		2.2000													
040.42	1		2.8000													
040.43	1		2.9790													
041.41	1		1.3625													
041.42	1		1.3650													
041.43	1		2.0575													
045.00	6	6	0.0115	0.0007	0.0117	0.0004	0.0001	3.77%	0.0006	0.0004	0.0007	5.18%	3.32%	6.16%	1.8523	0.0005
045.02	10	9	0.0097	0.0029	0.0103	0.0015	0.0004	14.67%	0.0029	0.0002	0.0029	29.76%	2.35%	29.85%	12.6996	0.0002
101.99	1		774.0000													
102.01	2	2	29.2475	1.5592												
103.01	2	2	4.5875	4.2674												
104.00	2	2	6.2100	0.7212												
105.00	1		1.7750													
106.00	1		9.1500													
106.02	20	19	7.3880	1.8213	7.4131	1.9509	0.3165	26.32%	1.7921	0.4593	1.8501	24.26%	6.22%	25.04%	4.0276	0.5289
107.00	2	2	19.9325	2.8249												
108.01	1		1.0650													
108.02	2	2	1.4925	0.3217												
109.02	12	11	33.9624	9.2548	32.8017	7.7091	1.6436	23.50%	9.0890	2.4659	9.4176	26.76%	7.26%	27.73%	3.8191	2.1436
112.00	2	2	4.0825	2.7683												
113.01	2	2	1.02	0.3747666												
114.01	2	2	0.24825	0.0449013												
120.00	11	11	0.9255	0.020147	0.9269313	0.019412	0.004139	2.09%	0.0157398	0.017785	0.0237499	1.70%	1.92%	2.57%	1.335366	0.017364
120.05	2	2	0.90825	0.0116673												
120.99	1		0.995													
121.00	11	11	1.0769091	0.0351111	1.0748182	0.0332938	0.007098	3.10%	0.0302695	0.025161	0.0393616	2.81%	2.34%	3.66%	1.564371	0.024364
121.05	2	2	1.108	0.0254558												
121.99	1		0.73													
122.00	11	11	1.6204091	0.0395682	1.6204091	0.0448703	0.009566	2.77%	0.0350815	0.025882	0.0435956	2.16%	1.60%	2.69%	1.684415	0.027182
122.05	2	2	1.53625	0.0724784												
122.99	1		1.6													
123.99	1		3.21													
124.00	8	8	0.300375	0.0201366	0.2983891	0.0191839	0.004796	6.43%	0.0199667	0.003691	0.020305	6.65%	1.23%	6.76%	5.500923	0.0035
124.02	1		0.28													
124.05	2	2	0.318	0.0325269												

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124.99	1		0.42													
125.00	12	12	3.0924167	0.2142193	3.0913932	0.0905592	0.018485	2.93%	0.212252	0.040963	0.2161687	6.86%	1.32%	6.99%	5.277118	0.045167
125.05	3	3	2.256	1.212243	2.256	1.212243	0.494896	53.73%	1.2116811	0.052192	1.2128046	53.71%	2.31%	53.76%	23.23739	0.064
126.00	11	10	0.7491	0.0099353	0.7492929	0.0108624	0.002429	1.45%	0.0089867	0.005992	0.010801	1.20%	0.80%	1.44%	1.802668	0.0068
126.05	2	2	0.76175	0.0201525												
126.99	1		0.755													
127.00	11	10	0.47195	0.011169	0.4715042	0.0105871	0.002367	2.25%	0.0105438	0.005211	0.011761	2.23%	1.10%	2.49%	2.257153	0.0053
127.05	2	2	0.4625	0.0127279												
127.99	1		0.425													
128.00	11	11	0.6894545	0.0236542	0.6886958	0.0253106	0.005396	3.68%	0.0230321	0.007622	0.0242604	3.34%	1.11%	3.52%	3.183056	0.007818
128.05	2	2	0.6845	0.0098995												
128.99	1		0.735													
129.00	11	11	1.5039545	0.0329404	1.5062745	0.0324798	0.006925	2.16%	0.0316387	0.012967	0.0341927	2.10%	0.86%	2.27%	2.636954	0.014091
129.05	2	2	1.495	0.0565685												
129.99	1		1.495													
130.00	14	13	0.8427077	0.043861	0.8428725	0.0494062	0.009689	5.86%	0.0430564	0.011827	0.0446511	5.11%	1.40%	5.30%	3.77549	0.013508
130.01	1		0.82													
130.04	1		1.67													
130.05	4	4	0.700375	0.2794463	0.700375	0.2794463	0.098799	39.90%	0.2789125	0.024416	0.2799791	39.82%	3.49%	39.98%	11.46719	0.02875
130.99	1		0.9													
131.00	11	11	0.2744136	0.0270217	0.2810643	0.0169143	0.003606	6.02%	0.0266191	0.006572	0.0274184	9.70%	2.39%	9.99%	4.171906	0.007136
131.02	1		0.32													
131.04	1		0.855													
131.05	3	3	0.256	0.033775	0.256	0.033775	0.013789	13.19%	0.0294321	0.023431	0.0376198	11.50%	9.15%	14.70%	1.605574	0.026
131.99	1		0.32													
132.00	11	11	0.8117727	0.0236034	0.8117727	0.0267662	0.005707	3.30%	0.0220011	0.012089	0.0251035	2.71%	1.49%	3.09%	2.076612	0.012455
132.05	2	2	0.719	0.22486												
132.99	1		0.835													
133.00	10	10	1.0964	0.029868	1.0964	0.0328984	0.007356	3.00%	0.028428	0.012958	0.0312418	2.59%	1.18%	2.85%	2.411075	0.0134
133.05	2	2	1.1625	0.159099												
133.99	1		1.1													
134.00	11	11	0.8143636	0.0402412	0.8233646	0.0208049	0.004436	2.53%	0.039267	0.012446	0.0411923	4.82%	1.53%	5.06%	3.309619	0.014545
134.05	2	2	0.8935	0.0367696												
134.99	1		0.845													
135.00	11	11	0.6599545	0.0192918	0.6641002	0.0144037	0.003071	2.17%	0.0171839	0.012401	0.021191	2.60%	1.88%	3.21%	1.708882	0.013364
135.05	3	3	0.6691667	0.0045369	0.6691667	0.0045369	0.001852	0.68%		0.023878			3.57%			0.030333
135.99	1		0.66													
136.00	1		0.1985													

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136.01	4	4	0.2055	0.0128258	0.2055	0.0128258	0.004535	6.24%	0.0124046	0.00461	0.0132335	6.04%	2.24%	6.44%	2.870745	0.0035
136.03	1		0.298													
136.99	3	3	0.2033333	0.0152753	0.2033333	0.0152753	0.006236	7.51%	0.0148773	0.004899	0.0156631	7.32%	2.41%	7.70%	3.197221	0.004
137.00	8	8	0.5803125	0.0198727	0.5810274	0.0211994	0.0053	3.65%	0.0189214	0.008591	0.0207805	3.26%	1.48%	3.58%	2.418754	0.009125
137.05	2	2	0.5245	0.0749533												
137.99	1		0.54													
138.00	11	11	0.8109545	0.0394287	0.8164545	0.0195729	0.004173	2.40%	0.0386941	0.010713	0.0401498	4.77%	1.32%	4.95%	3.747696	0.011545
138.05	2	2	0.78875	0.0385373												
138.99	1		0.825													
139.00	1		0.01505													
300.01	1		0.9													
300.20	1		0.01													