

AAFCO Check Sample Program

Methods Report

Sort by Method

Proficiency For Individual Methods

Sample # 201125

Dry Dog Food



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		0.55000													
001.00	10	8	6.4172	0.84998	6.6394	0.15195	0.03799	2.29%	0.84921	0.05101	0.85074	13.23%	0.79%	13.26%	16.679	0.04688
001.03	19	18	6.4435	0.16920	6.4714	0.13763	0.02294	2.13%	0.16675	0.04056	0.17161	2.59%	0.63%	2.66%	4.2311	0.03249
001.05	1		6.3850													
001.07	38	36	6.5688	0.29080	6.5778	0.21801	0.02569	3.31%	0.28350	0.09157	0.29792	4.32%	1.39%	4.54%	3.2535	0.08706
001.08	1		6.3200													
001.99	24	21	6.3962	0.52661	6.4752	0.34996	0.05400	5.40%	0.52365	0.07892	0.52956	8.19%	1.23%	8.28%	6.7100	0.08571
002.00	8	8	19.179	0.29928	19.174	0.32874	0.08219	1.71%	0.28587	0.12530	0.31212	1.49%	0.65%	1.63%	2.4910	0.16000
002.01	10	10	19.080	0.23600	19.094	0.16585	0.03708	0.87%	0.22901	0.08062	0.24278	1.20%	0.42%	1.27%	3.0116	0.07370
002.02	6	6	19.081	0.26542	19.081	0.30099	0.08689	1.58%	0.26301	0.05050	0.26782	1.38%	0.26%	1.40%	5.3028	0.05515
002.04	6	6	19.259	0.47697	19.287	0.38721	0.11178	2.01%	0.47534	0.05575	0.47860	2.47%	0.29%	2.49%	8.5844	0.05833
002.05	36	35	19.206	0.26227	19.215	0.25456	0.03043	1.32%	0.25758	0.06983	0.26687	1.34%	0.36%	1.39%	3.8219	0.06596
002.06	201	132	19.342	0.40896	19.367	0.29623	0.01823	1.53%	0.38860	0.18021	0.42835	2.01%	0.93%	2.21%	2.3769	0.16192
002.08	3	3	19.800	1.0520	19.800	1.0520	0.42950	5.31%	1.0505	0.08170	1.0536	5.31%	0.41%	5.32%	12.897	0.06890
002.10	6	5	16.915	5.1831	16.915	5.1831	1.6390	30.64%	5.1811	0.20671	5.1852	30.63%	1.22%	30.65%	25.084	0.22662
002.11	10	10	18.554	1.7545	18.947	0.82396	0.18424	4.35%	1.7517	0.13960	1.7572	9.44%	0.75%	9.47%	12.588	0.14940
002.99	3	3	20.213	2.0335	20.213	2.0335	0.83016	10.06%	2.0315	0.12689	2.0355	10.05%	0.63%	10.07%	16.042	0.14667
003.00	16	16	5.1014	0.72270	5.2068	0.25170	0.04450	4.83%	0.71987	0.09033	0.72552	14.11%	1.77%	14.22%	8.0322	0.09667
003.01	2	2	4.7659	0.32647												
003.06	20	19	5.1463	0.25631	5.1249	0.11113	0.01803	2.17%	0.25303	0.05775	0.25954	4.92%	1.12%	5.04%	4.4939	0.05903
003.09	17	17	5.4180	0.58561	5.2565	0.16412	0.02815	3.12%	0.58239	0.08666	0.58881	10.75%	1.60%	10.87%	6.7944	0.08755
003.10	31	30	5.1289	0.53306	5.0482	0.19652	0.02537	3.89%	0.52983	0.08289	0.53627	10.33%	1.62%	10.46%	6.4699	0.07654
003.11	9	9	6.9835	1.0284	6.9835	1.1662	0.27486	16.70%	1.0279	0.04129	1.0288	14.72%	0.59%	14.73%	24.918	0.03468
003.12	18	17	5.4621	0.79637	5.2358	0.18799	0.03224	3.59%	0.79550	0.05268	0.79724	14.56%	0.96%	14.60%	15.135	0.05121
003.13	5	5	5.0327	0.12631	5.0327	0.12631	0.03994	2.51%	0.11872	0.06100	0.13347	2.36%	1.21%	2.65%	2.1881	0.06540
003.14	18	18	5.2803	0.64109	5.0912	0.18428	0.03071	3.62%	0.63758	0.09463	0.64457	12.07%	1.79%	12.21%	6.8115	0.09671
003.99	14	10	6.2330	1.2305	6.0318	0.97262	0.21748	16.12%	1.2148	0.27695	1.2460	19.49%	4.44%	19.99%	4.4989	0.24200

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004.00	29	28	4.6001	0.49740	4.6439	0.39569	0.05288	8.52%	0.49422	0.07946	0.50056	10.74%	1.73%	10.88%	6.2995	0.07797
004.01	2	2	5.1775	0.88742												
004.03	3	3	4.9767	0.37528	4.9767	0.37528	0.15321	7.54%	0.35754	0.16124	0.39221	7.18%	3.24%	7.88%	2.4325	0.19600
004.06	40	39	4.6874	0.58964	4.6468	0.51541	0.05836	11.09%	0.57827	0.16302	0.60081	12.34%	3.48%	12.82%	3.6856	0.13610
004.07	51	49	4.5314	0.65394	4.4638	0.39471	0.03987	8.84%	0.64856	0.11841	0.65928	14.31%	2.61%	14.55%	5.5676	0.11138
004.11	5	5	4.3300	0.44039	4.3300	0.44039	0.13926	10.17%	0.43937	0.04233	0.44141	10.15%	0.98%	10.19%	10.427	0.05212
004.99	2	2	4.4100	0.40305												
005.00	178	116	6.7346	0.15466	6.7416	0.14627	0.00960	2.17%	0.15038	0.05113	0.15883	2.23%	0.76%	2.36%	3.1064	0.05262
005.05	29	28	6.8285	0.22139	6.8035	0.14786	0.01976	2.17%	0.22024	0.03186	0.22253	3.23%	0.47%	3.26%	6.9841	0.03465
005.11	6	6	6.3922	0.72351	6.4960	0.38490	0.11111	5.93%	0.72249	0.05424	0.72452	11.30%	0.85%	11.33%	13.358	0.05197
005.99	14	13	6.8196	0.13783	6.8445	0.08873	0.01740	1.30%	0.13388	0.04637	0.14168	1.96%	0.68%	2.08%	3.0555	0.05462
006.00	1		2.9000													
006.01	1		4.6500													
006.99	1		3.5350													
008.02	10	10	6.6426	1.6334	6.8661	0.94011	0.21022	13.69%	1.6293	0.16298	1.6374	24.53%	2.45%	24.65%	10.047	0.19767
008.05	1		8.1500													
008.08	31	31	6.6270	1.2018	6.4563	0.82147	0.10433	12.72%	1.1925	0.21046	1.2110	18.00%	3.18%	18.27%	5.7537	0.21082
008.99	2	2	7.7775	2.5845												
009.04	1		21.940													
009.07	7	7	19.826	1.4950	19.430	0.86546	0.23130	4.45%	1.4546	0.48821	1.5344	7.34%	2.46%	7.74%	3.1428	0.54341
009.09	26	26	18.857	1.8434	18.566	1.0803	0.14981	5.82%	1.8285	0.33157	1.8583	9.70%	1.76%	9.85%	5.6045	0.33066
009.99	5	5	18.225	4.1012	18.225	4.1012	1.2969	22.50%	4.0870	0.48368	4.1155	22.42%	2.65%	22.58%	8.5086	0.41400
010.03	3	3	4.7867	1.8908	4.7867	1.8908	0.77192	39.50%	1.8824	0.25262	1.8992	39.32%	5.28%	39.68%	7.5182	0.30657
010.11	9	9	6.9380	0.89428	6.9380	1.0141	0.23903	14.62%	0.89377	0.04294	0.89480	12.88%	0.62%	12.90%	20.839	0.05386
010.99	14	14	6.5574	0.79806	6.6860	0.56477	0.10673	8.45%	0.79637	0.07348	0.79975	12.14%	1.12%	12.20%	10.884	0.07457
011.01	156	88	7.0134	0.33108	7.0487	0.21316	0.01607	3.02%	0.32749	0.06878	0.33464	4.67%	0.98%	4.77%	4.8654	0.07025
011.02	1		7.4720													
011.99	3	3	6.0083	0.99351	6.0083	0.99351	0.40560	16.54%	0.99199	0.07757	0.99502	16.51%	1.29%	16.56%	12.828	0.10333
012.00	6	6	37.403	2.0552	36.896	1.0895	0.31452	2.95%	2.0510	0.18540	2.0594	5.48%	0.50%	5.51%	11.108	0.20167
012.01	1		34.797													
012.03	3	3	33.725	1.8035	33.725	1.8035	0.73628	5.35%	1.8015	0.12035	1.8055	5.34%	0.36%	5.35%	15.003	0.13000
012.04	6	5	35.984	3.6152	35.984	3.6152	1.1432	10.05%	3.6060	0.36606	3.6245	10.02%	1.02%	10.07%	9.9014	0.36000
012.11	4	4	36.275	2.1459	36.275	2.1459	0.75869	5.92%	2.1389	0.24531	2.1529	5.90%	0.68%	5.93%	8.7763	0.29000
013.00	21	19	7.8707	0.75009	7.8840	0.55299	0.08971	7.01%	0.74153	0.15980	0.75855	9.42%	2.03%	9.64%	4.7468	0.15199
013.02	99	38	7.8905	0.44081	7.8565	0.42150	0.04835	5.36%	0.43153	0.12726	0.44990	5.47%	1.61%	5.70%	3.5354	0.13164
013.03	1		5.8450													
013.10	16	15	7.5319	0.40837	7.5087	0.41918	0.07653	5.58%	0.37483	0.22920	0.43936	4.98%	3.04%	5.83%	1.9169	0.21442
013.11	2	2	6.9125	1.0713												

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013.12	1		7.4400													
013.13	2	2	8.2393	0.86373												
015.41	4	4	44.023	10.348	44.023	10.348	3.6585	23.51%	10.343	0.46271	10.353	23.49%	1.05%	23.52%	22.375	0.51913
015.42	3	3	49.187	3.5170	49.187	3.5170	1.4358	7.15%	2.6554	3.2614	4.2057	5.40%	6.63%	8.55%	1.2895	4.4933
015.43	5	5	53.608	7.5890	53.608	7.5890	2.3998	14.16%	7.5561	0.99812	7.6217	14.10%	1.86%	14.22%	7.6361	1.0560
015.52	2	2	50.914	0.77216												
016.42	1		0.00000													
016.52	1		0.00365													
017.41	2	2	5.7725	0.63286												
017.42	5	5	5.7540	3.5159	5.7540	3.5159	1.1118	61.10%	3.4898	0.60503	3.5418	60.65%	10.51%	61.55%	5.8540	0.59600
017.43	5	5	5.7270	0.26307	5.7270	0.26307	0.08319	4.59%	0.25050	0.11362	0.27507	4.37%	1.98%	4.80%	2.4209	0.15000
017.52	1		46.001													
018.41	1		0.06500													
018.42	1		0.00000													
018.52	2	2	0.05125	0.02440												
019.00	28	27	1.2368	0.15405	1.2097	0.07308	0.00994	6.04%	0.15335	0.02077	0.15475	12.40%	1.68%	12.51%	7.4496	0.02155
019.03	2	2	1.2049	0.07757												
019.08	9	9	1.1977	0.08741	1.1977	0.09912	0.02336	8.28%	0.08545	0.02604	0.08933	7.13%	2.17%	7.46%	3.4299	0.02701
019.31	29	28	1.2044	0.09868	1.1906	0.03988	0.00533	3.35%	0.09796	0.01691	0.09941	8.13%	1.40%	8.25%	5.8786	0.01758
019.32	5	5	1.2550	0.10661	1.2550	0.10661	0.03371	8.49%	0.10647	0.00775	0.10675	8.48%	0.62%	8.51%	13.781	0.00804
019.41	37	36	1.2029	0.04137	1.2026	0.04011	0.00473	3.34%	0.03837	0.02187	0.04417	3.19%	1.82%	3.67%	2.0196	0.02372
019.42	26	25	1.2034	0.05193	1.2035	0.05793	0.00819	4.81%	0.04952	0.02212	0.05423	4.11%	1.84%	4.51%	2.4520	0.02400
019.43	13	12	1.2169	0.05436	1.2161	0.05991	0.01223	4.93%	0.04763	0.03705	0.06034	3.91%	3.05%	4.96%	1.6285	0.03633
019.52	1		1.1481													
019.53	1		1.1500													
019.99	3	3	1.0217	0.04509	1.0217	0.04509	0.01841	4.41%		0.14207			13.91%			0.17667
020.41	2	2	1.8938	0.15026												
020.42	2	2	1.6545	0.46598												
020.43	2	2	1.9475	0.08132												
020.52	2	2	1.4468	1.2137												
020.99	1		1.3950													
021.31	4	4	0.35338	0.43476	0.35338	0.43476	0.15371	123.03%	0.43403	0.03550	0.43548	122.82%	10.05%	123.23%	12.268	0.02725
021.33	1		0.58750													
021.41	4	4	0.91419	0.22385	0.91419	0.22385	0.07914	24.49%	0.22027	0.05646	0.22739	24.09%	6.18%	24.87%	4.0271	0.06313
021.42	5	5	0.75400	0.30916	0.75400	0.30916	0.09776	41.00%	0.29735	0.11971	0.32054	39.44%	15.88%	42.51%	2.6776	0.11840
021.43	4	4	0.90675	0.25645	0.90675	0.25645	0.09067	28.28%	0.25272	0.06164	0.26013	27.87%	6.80%	28.69%	4.2199	0.08000
021.52	2	2	0.39075	0.17006												
021.99	1		0.87445													

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022.31	19	19	17.242	2.5561	16.971	1.6433	0.26658	9.68%	2.4924	0.80200	2.6182	14.46%	4.65%	15.19%	3.2646	0.81305
022.32	1		17.500													
022.41	30	29	16.142	1.9446	16.314	1.5781	0.20722	9.67%	1.8241	0.95284	2.0580	11.30%	5.90%	12.75%	2.1598	0.85966
022.42	23	23	16.436	1.4973	16.155	0.66624	0.09823	4.12%	1.4432	0.56409	1.5496	8.78%	3.43%	9.43%	2.7470	0.51087
022.43	13	12	15.870	2.5271	16.150	1.7481	0.35683	10.82%	2.5188	0.28936	2.5353	15.87%	1.82%	15.98%	8.7619	0.32801
022.52	2	2	14.427	1.7557												
022.53	1		15.950													
022.99	2	2	18.001	1.6065												
025.31	18	17	231.55	14.256	231.97	11.490	1.9706	4.95%	13.911	4.4047	14.592	6.01%	1.90%	6.30%	3.3128	4.2235
025.32	1		232.04													
025.34	1		192.50													
025.41	32	31	229.85	19.012	228.74	10.516	1.3356	4.60%	18.678	5.0121	19.339	8.13%	2.18%	8.41%	3.8585	5.3725
025.42	21	20	239.04	28.315	234.38	18.255	2.8864	7.79%	27.896	6.8644	28.728	11.67%	2.87%	12.02%	4.1851	6.6255
025.43	14	13	231.00	17.006	231.00	19.284	3.7820	8.35%	16.443	6.1380	17.551	7.12%	2.66%	7.60%	2.8594	6.9221
025.52	2	2	264.18	51.858												
025.99	2	2	211.81	7.5164												
026.31	1		2.1000													
026.41	1		0.15075													
026.42	1		0.00000													
026.52	2	2	0.30100	0.06859												
027.31	17	17	0.26692	0.01696	0.26785	0.01605	0.00275	5.99%	0.01663	0.00470	0.01728	6.23%	1.76%	6.47%	3.6796	0.00509
027.32	5	5	0.26867	0.00802	0.26867	0.00802	0.00254	2.99%	0.00732	0.00466	0.00867	2.72%	1.73%	3.23%	1.8628	0.00482
027.33	1		0.26620													
027.41	28	27	0.27386	0.01219	0.27299	0.00858	0.00117	3.14%	0.01044	0.00892	0.01373	3.81%	3.26%	5.01%	1.5396	0.00691
027.42	22	21	0.27121	0.01643	0.27173	0.01161	0.00179	4.27%	0.01479	0.01012	0.01792	5.45%	3.73%	6.61%	1.7710	0.00879
027.43	10	9	0.26749	0.01173	0.26657	0.01108	0.00261	4.16%	0.01164	0.00209	0.01183	4.35%	0.78%	4.42%	5.6684	0.00207
027.52	1		0.25780													
027.53	1		0.27250													
027.99	1		0.18000													
028.31	19	18	65.014	7.1391	66.030	5.8919	0.98198	8.92%	7.1098	0.91260	7.1682	10.94%	1.40%	11.03%	7.8547	0.88389
028.32	1		69.500													
028.41	31	30	68.891	5.0745	68.477	2.9621	0.38241	4.33%	4.9665	1.4724	5.1802	7.21%	2.14%	7.52%	3.5183	1.6453
028.42	22	22	69.588	3.7759	70.089	2.8737	0.43323	4.10%	3.6258	1.4907	3.9203	5.21%	2.14%	5.63%	2.6298	1.6491
028.43	14	14	66.582	5.8617	68.464	3.2959	0.62286	4.81%	5.7247	1.7814	5.9955	8.60%	2.68%	9.00%	3.3655	1.5641
028.52	2	2	64.290	4.1111												
028.53	1		62.400													
028.99	1		66.340													
031.00	4	4	0.91271	0.00328	0.91271	0.00328	0.00116	0.36%		0.02729			2.99%			0.03093

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031.01	56	55	0.91246	0.03760	0.91565	0.03017	0.00288	3.30%	0.03667	0.01177	0.03851	4.02%	1.29%	4.22%	3.2728	0.01190
031.02	2	2	0.93648	0.00499												
031.03	5	5	0.95422	0.04255	0.95422	0.04255	0.01346	4.46%	0.04055	0.01821	0.04445	4.25%	1.91%	4.66%	2.4412	0.01884
031.06	2	2	0.87600	0.01556												
031.41	32	30	0.93376	0.03288	0.93481	0.03105	0.00401	3.32%	0.03149	0.01338	0.03421	3.37%	1.43%	3.66%	2.5573	0.01369
031.42	24	23	0.93024	0.03724	0.93035	0.03909	0.00576	4.20%	0.03495	0.01815	0.03939	3.76%	1.95%	4.23%	2.1696	0.01701
031.43	10	9	0.92950	0.02175	0.92892	0.02373	0.00559	2.55%	0.01555	0.02150	0.02654	1.67%	2.31%	2.86%	1.2341	0.01878
031.52	1		0.81060													
031.53	1		0.90650													
031.99	5	5	0.88400	0.12547	0.88400	0.12547	0.03968	14.19%	0.12519	0.01183	0.12575	14.16%	1.34%	14.22%	10.628	0.01200
032.02	4	4	11.787	21.772	11.787	21.772	7.6976	184.72%		30.798			261.29%			21.805
032.04	1		0.84500													
032.31	20	19	0.83322	0.04235	0.83278	0.04651	0.00754	5.58%	0.04141	0.01255	0.04327	4.97%	1.51%	5.19%	3.4492	0.01316
032.32	3	3	0.86167	0.02082	0.86167	0.02082	0.00850	2.42%	0.02021	0.00707	0.02141	2.35%	0.82%	2.48%	3.0277	0.01000
032.41	33	32	0.85011	0.06358	0.85911	0.04234	0.00529	4.93%	0.06282	0.01381	0.06432	7.39%	1.62%	7.57%	4.6576	0.01535
032.42	26	25	0.87863	0.03464	0.87839	0.03827	0.00541	4.36%	0.03122	0.02120	0.03774	3.55%	2.41%	4.30%	1.7801	0.02128
032.43	13	12	0.86679	0.15256	0.87716	0.05444	0.01111	6.21%	0.15244	0.00862	0.15268	17.59%	0.99%	17.61%	17.719	0.00961
032.52	1		0.85930													
032.53	1		0.86250													
032.99	2	2	0.84125	0.03005												
033.00	36	35	0.80249	0.09599	0.82608	0.04791	0.00573	5.80%	0.09513	0.01810	0.09684	11.85%	2.26%	12.07%	5.3492	0.01896
033.01	36	35	0.86802	0.09503	0.88996	0.02405	0.00287	2.70%	0.09482	0.00884	0.09523	10.92%	1.02%	10.97%	10.769	0.00762
033.03	7	7	0.85643	0.07465	0.86340	0.06893	0.01842	7.98%	0.06833	0.04251	0.08047	7.98%	4.96%	9.40%	1.8931	0.04429
033.05	1		0.85500													
033.99	11	10	0.90270	0.26923	0.87770	0.18905	0.04227	21.54%	0.26915	0.00923	0.26931	29.82%	1.02%	29.83%	29.176	0.00920
034.01	2	2	0.48800	0.04525												
034.04	4	4	0.47938	0.10229	0.47938	0.10229	0.03617	21.34%	0.09934	0.03451	0.10516	20.72%	7.20%	21.94%	3.0478	0.03675
034.42	3	3	1.1255	1.5435	1.1255	1.5435	0.63012	137.14%	1.4182	0.86140	1.6593	126.01%	76.54%	147.43%	1.9263	0.70367
034.52	2	2	0.48025	0.20259												
035.01	3	3	0.35333	0.01177	0.35333	0.01177	0.00481	3.33%	0.01172	0.00153	0.01182	3.32%	0.43%	3.35%	7.7390	0.00200
035.05	5	5	0.34503	0.03731	0.34503	0.03731	0.01180	10.81%	0.03604	0.01364	0.03854	10.45%	3.95%	11.17%	2.8253	0.01306
035.31	21	21	0.34512	0.03290	0.34489	0.03682	0.00568	10.68%	0.03255	0.00681	0.03325	9.43%	1.97%	9.63%	4.8864	0.00713
035.32	5	5	0.43460	0.19465	0.43460	0.19465	0.06155	44.79%	0.19457	0.00778	0.19473	44.77%	1.79%	44.81%	25.038	0.00844
035.41	31	31	0.34580	0.01693	0.34421	0.01435	0.00182	4.17%	0.01536	0.01005	0.01836	4.44%	2.91%	5.31%	1.8262	0.01035
035.42	22	21	0.32352	0.07629	0.33199	0.01688	0.00260	5.08%	0.07606	0.00834	0.07651	23.51%	2.58%	23.65%	9.1751	0.00747
035.43	10	10	0.35175	0.01987	0.35175	0.02254	0.00504	6.41%	0.01931	0.00662	0.02042	5.49%	1.88%	5.81%	3.0831	0.00705
035.52	1		0.35300													
035.53	1		0.33700													

Method Code	Total # Labs Submitting	# Labs Included in Calculations	Mean	SD	Assigned Value - Robust Mean	AAFCCO CS ffp - Robust sd	Uncertainty (U)	% RSD	Between Labs sL	Within Labs sr	Reproducibility sR	Between Labs %RSD	Within Labs %rstd	Reproducibility %RSD	sR/sr	Average Range (R-bar)
036.04	2	2	0.22750	0.00354												
036.42	21	20	0.21614	0.01576	0.21513	0.01543	0.00244	7.17%	0.01550	0.00399	0.01601	7.17%	1.85%	7.41%	4.0091	0.00360
036.43	10	9	0.21378	0.01687	0.21244	0.01185	0.00279	5.58%	0.01663	0.00399	0.01710	7.78%	1.86%	8.00%	4.2911	0.00289
036.99	2	2	0.23625	0.05834												
037.31	19	19	201.75	13.664	203.17	11.448	1.8571	5.63%	13.517	2.8297	13.810	6.70%	1.40%	6.85%	4.8803	3.0839
037.32	2	2	219.75	1.7678												
037.41	32	31	208.81	14.370	208.65	10.256	1.3026	4.92%	13.873	5.2947	14.849	6.64%	2.54%	7.11%	2.8046	4.9371
037.42	21	20	206.95	17.493	209.56	9.3698	1.4815	4.47%	17.290	3.7551	17.693	8.35%	1.81%	8.55%	4.7118	3.4645
037.43	13	13	208.81	13.327	208.94	14.834	2.9091	7.10%	12.662	5.8771	13.960	6.06%	2.81%	6.69%	2.3753	5.6663
037.52	2	2	187.51	35.365												
037.53	1		215.00													
037.99	2	2	225.80	19.380												
038.41	2	2	2.4719	0.55419												
038.42	6	5	1.7015	0.16132	1.7015	0.16132	0.05101	9.48%	0.10853	0.16880	0.20067	6.38%	9.92%	11.79%	1.1889	0.17420
038.43	6	5	1.9315	0.16532	1.9315	0.16532	0.05228	8.56%	0.16522	0.00788	0.16541	8.55%	0.41%	8.56%	20.990	0.00820
038.52	2	2	1.8078	0.37017												
039.31	1		1.0000													
039.41	1		1.9415													
039.42	2	2	1.9338	0.45078												
039.43	1		1.3750													
039.52	2	2	1.6908	0.53210												
040.42	1		9.7000													
040.43	2	2	9.4800	0.29698												
041.42	1		0.00000													
041.52	1		0.02220													
101.99	1		880.76													
102.01	2	2	53.530	14.185												
104.00	3	3	3.8460	0.21419	3.8460	0.21419	0.08744	5.57%	0.19394	0.12855	0.23267	5.04%	3.34%	6.05%	1.8100	0.14027
105.00	1		17.107													
105.01	2	2	3.7825	0.00354												
106.00	1		4.3000													
106.02	15	14	4.2796	0.65288	4.2666	0.71372	0.13488	16.73%	0.63475	0.21605	0.67051	14.83%	5.05%	15.67%	3.1035	0.20464
107.00	2	2	18.629	9.0100												
108.01	2	2	2.9463	3.4206												
108.02	2	2	0.90250	0.35709												
109.02	12	11	48.295	25.056	46.052	12.518	2.6689	27.18%	25.004	2.2802	25.108	51.77%	4.72%	51.99%	11.011	2.2897
109.99	1		54.000													
112.00	2	2	9.1900	0.04243												

Method Code	Total # Labs Submitting	# Labs Included in Calculations	Mean	SD	Assigned Value - Robust Mean	AAFCCO CS ffp - Robust sd	Uncertainty (U)	% RSD	Between Labs sL	Within Labs sr	Reproducibility sR	Between Labs %RSD	Within Labs %rstd	Reproducibility %RSD	sR/sr	Average Range (R-bar)
113.01	2	2	0.94475	0.06399												
114.01	2	2	0.25400	0.00566												
120.00	12	12	1.0755	0.06686	1.0579	0.03069	0.00626	2.90%	0.06140	0.03744	0.07191	5.71%	3.48%	6.69%	1.9207	0.03469
120.02	2	2	1.0719	0.04656												
120.05	3	3	1.0377	0.03612	1.0377	0.03612	0.01474	3.48%	0.03485	0.01342	0.03734	3.36%	1.29%	3.60%	2.7832	0.01600
121.00	12	11	1.2494	0.02646	1.2498	0.02332	0.00497	1.87%	0.02521	0.01140	0.02767	2.02%	0.91%	2.21%	2.4264	0.01291
121.01	1		1.3235													
121.02	2	2	1.2465	0.04031												
121.05	3	3	1.2398	0.07949	1.2398	0.07949	0.03245	6.41%	0.05747	0.07767	0.09662	4.64%	6.26%	7.79%	1.2440	0.10900
122.00	12	11	1.5380	0.06175	1.5278	0.04866	0.01037	3.18%	0.06158	0.00638	0.06191	4.00%	0.41%	4.03%	9.7064	0.00627
122.01	1		1.5335													
122.02	2	2	1.5551	0.00792												
122.05	3	3	1.5182	0.05109	1.5182	0.05109	0.02086	3.37%	0.02586	0.06232	0.06747	1.70%	4.10%	4.44%	1.0827	0.06300
124.00	12	11	0.30459	0.02690	0.30439	0.01646	0.00351	5.41%	0.02676	0.00381	0.02703	8.79%	1.25%	8.87%	7.0951	0.00366
124.01	1		0.28600													
124.02	3	3	0.29163	0.02598	0.29163	0.02598	0.01061	8.91%	0.02488	0.01055	0.02703	8.53%	3.62%	9.27%	2.5608	0.01420
124.05	1		0.34400													
125.00	12	11	3.2747	0.11213	3.2667	0.09808	0.02091	3.00%	0.11148	0.01706	0.11278	3.40%	0.52%	3.44%	6.6126	0.01968
125.01	1		3.4555													
125.02	2	2	3.2783	0.10645												
125.05	2	2	3.1885	0.08273												
126.00	12	12	1.1990	0.04370	1.1955	0.03727	0.00761	3.12%	0.03811	0.03025	0.04865	3.18%	2.52%	4.06%	1.6084	0.02553
126.01	1		1.3985													
126.02	2	2	1.2148	0.08945												
126.05	3	3	1.2567	0.02336	1.2567	0.02336	0.00954	1.86%		0.05381			4.28%			0.06400
127.00	12	11	0.49991	0.02225	0.49832	0.02167	0.00462	4.35%	0.02115	0.00973	0.02329	4.23%	1.95%	4.66%	2.3926	0.00764
127.01	1		0.48750													
127.02	2	2	0.52765	0.07262												
127.05	3	3	0.48383	0.05963	0.48383	0.05963	0.02435	12.33%	0.05653	0.02685	0.06258	11.68%	5.55%	12.93%	2.3309	0.03633
128.00	12	11	0.68245	0.04712	0.67727	0.03393	0.00723	5.01%	0.04700	0.00474	0.04724	6.89%	0.69%	6.92%	9.9697	0.00522
128.01	1		0.73150													
128.02	2	2	0.67963	0.00088												
128.05	3	3	0.58483	0.19764	0.58483	0.19764	0.08069	33.79%	0.19524	0.04345	0.20002	33.38%	7.43%	34.20%	4.6039	0.04367
129.00	12	11	1.3945	0.03274	1.3913	0.02079	0.00443	1.49%	0.03223	0.00814	0.03325	2.31%	0.58%	2.38%	4.0866	0.00873
129.01	1		1.4335													
129.02	2	2	1.4174	0.00265												
129.05	3	3	1.3467	0.13852	1.3467	0.13852	0.05655	10.29%	0.13419	0.04860	0.14272	9.96%	3.61%	10.60%	2.9364	0.05400
130.00	13	12	0.89175	0.02980	0.89318	0.01925	0.00393	2.15%	0.02894	0.01006	0.03064	3.25%	1.13%	3.44%	3.0451	0.00900

Method Code	Total # Labs Submitting	# Labs Included in Calculations	Mean	SD	Assigned Value - Robust Mean	AAFCCO CS ffp - Robust sd	Uncertainty (U)	% RSD	Between Labs sL	Within Labs sr	Reproducibility sR	Between Labs %RSD	Within Labs %rstd	Reproducibility %RSD	sR/sr	Average Range (R-bar)
130.01	1		0.90000													
130.02	2	2	0.88588	0.04720												
130.05	3	3	0.83533	0.08399	0.83533	0.08399	0.03429	10.05%	0.08090	0.03193	0.08697	9.68%	3.82%	10.41%	2.7236	0.04133
131.00	11	11	0.29672	0.03068	0.29101	0.01915	0.00408	6.58%	0.03044	0.00538	0.03091	10.26%	1.81%	10.42%	5.7440	0.00568
131.01	1		0.28400													
131.02	3	3	0.29540	0.03094	0.29540	0.03094	0.01263	10.47%	0.03072	0.00523	0.03116	10.40%	1.77%	10.55%	5.9536	0.00620
131.05	3	3	0.29983	0.05865	0.29983	0.05865	0.02395	19.56%	0.05514	0.02829	0.06197	18.39%	9.44%	20.67%	2.1904	0.03433
132.00	12	11	0.79618	0.02013	0.79930	0.01607	0.00343	2.01%	0.01886	0.00993	0.02132	2.37%	1.25%	2.68%	2.1464	0.00982
132.01	1		0.82350													
132.02	2	2	0.83450	0.02616												
132.05	3	3	0.79633	0.08392	0.79633	0.08392	0.03426	10.54%	0.07907	0.03975	0.08850	9.93%	4.99%	11.11%	2.2263	0.04533
133.00	12	12	1.2777	0.07658	1.2961	0.05063	0.01034	3.91%	0.07495	0.02228	0.07819	5.87%	1.74%	6.12%	3.5094	0.02241
133.05	2	2	1.3135	0.11102												
134.00	12	11	0.79577	0.11690	0.82283	0.02886	0.00615	3.51%	0.11684	0.00518	0.11696	14.68%	0.65%	14.70%	22.565	0.00609
134.01	1		0.82750													
134.02	2	2	0.80275	0.03005												
134.05	3	3	0.87500	0.04715	0.87500	0.04715	0.01925	5.39%	0.03873	0.03804	0.05428	4.43%	4.35%	6.20%	1.4271	0.03867
135.00	12	12	0.64937	0.08434	0.66304	0.02484	0.00507	3.75%	0.08184	0.02879	0.08676	12.60%	4.43%	13.36%	3.0132	0.02063
135.01	1		0.66950													
135.02	2	2	0.67498	0.00711												
135.05	3	3	0.66550	0.05492	0.66550	0.05492	0.02242	8.25%	0.04915	0.03464	0.06013	7.39%	5.21%	9.04%	1.7357	0.04633
136.00	2	2	0.26633	0.02429												
136.01	6	6	0.20825	0.04251	0.21857	0.02293	0.00662	10.49%	0.04250	0.00138	0.04252	20.41%	0.66%	20.42%	30.715	0.00150
136.03	1		0.27300													
136.05	1		0.22950													
136.99	1		0.23100													
137.00	7	7	0.56777	0.09660	0.54036	0.03373	0.00902	6.24%	0.09630	0.01083	0.09691	16.96%	1.91%	17.07%	8.9464	0.01103
137.01	1		0.61600													
137.02	2	2	0.55200	0.09051												
137.05	3	3	0.50717	0.14731	0.50717	0.14731	0.06014	29.05%	0.14157	0.05760	0.15284	27.91%	11.36%	30.14%	2.6533	0.07767
138.00	12	11	0.87990	0.05722	0.86976	0.02268	0.00484	2.61%	0.05655	0.01235	0.05789	6.43%	1.40%	6.58%	4.6855	0.01239
138.01	1		0.96650													
138.02	2	2	0.90905	0.03316												
138.05	3	3	0.77800	0.22863	0.77800	0.22863	0.09334	29.39%	0.22498	0.05758	0.23223	28.92%	7.40%	29.85%	4.0328	0.06533
140.01	1		0.00600													
141.00	1		0.00200													
142.00	1		0.04100													
300.01	1		0.15000													

Average Range (R-bar)	
sR/sr	
Reproducibility %RSD	
Within Labs %rstd	
Between Labs %RSD	
Reproducibility sR	
Within Labs sr	
Between Labs sL	
% RSD	
Uncertainty (U)	
AAFCO CS ffp - Robust sd	
Assigned Value - Robust Mean	
SD	
Mean	1.8500
# Labs Included in Calculations	
Total # Labs Submitting	1
Method Code	300.07