

AAFCO Check Sample Program

All Methods Report

Sort by Method

Proficiency For Individual Methods

Sample # 201423

Chicken Starter, Medicated



AAFCO

Check Sample Program

Issue Date : 04/30/2014

Method Code	Total # Labs Submitting	# Labs Included in Calculations	Mean	SD	Assigned Value - Robust Mean	AAFCO CS fip - Robust sd	Uncertainty (U) - Robust	% RSD - Robust	Between Labs sL	Within Labs sr	Reproducibility sR	Between Labs %RSD	Within Labs %/srd	Reproducibility %RSD	sR/sr	Average Range (R-bar)	Horwitz %RSD
000.02	1		0.30000														
000.99	1		0.00000														
001.00	5	5	9.9660	0.45718	9.9660	0.45718	0.14457	4.59%	0.45267	0.09066	0.46166	4.54%	0.91%	4.63%	5.0919	0.09200	2.83%
001.03	12	11	9.9553	0.11930	9.9329	0.14803	0.03022	1.49%	0.11867	0.01723	0.11992	1.19%	0.17%	1.20%	6.9609	0.02128	2.83%
001.05	1		9.7800														
001.07	33	30	9.7729	0.30516	9.7878	0.32396	0.04050	3.31%	0.30157	0.06599	0.30871	3.09%	0.68%	3.16%	4.6778	0.08615	2.84%
001.08	3	2	10.003	0.00354	9.9517	0.08808	0.03596	0.89%		0.04500			0.45%			0.06333	2.83%
001.99	15	14	9.6661	0.46470	9.5967	0.50773	0.09270	5.29%	0.45263	0.14882	0.47647	4.68%	1.54%	4.93%	3.2017	0.16400	2.85%
002.00	5	5	17.443	0.90068	17.443	0.90068	0.28482	5.16%	0.89645	0.12333	0.90489	5.14%	0.71%	5.19%	7.3372	0.14600	2.60%
002.01	17	16	17.204	0.35120	17.176	0.27074	0.04643	1.58%	0.34884	0.05750	0.35355	2.03%	0.33%	2.06%	6.1489	0.06141	2.61%
002.02	4	3	17.377	0.17733	34.151	33.550	11.862	98.24%	0.16623	0.08734	0.18777	0.96%	0.50%	1.08%	2.1499	0.33893	2.35%
002.04	1		17.840														
002.05	36	32	17.192	0.16714	17.215	0.17344	0.02073	1.01%	0.16053	0.06581	0.17350	0.93%	0.38%	1.01%	2.6363	0.08117	2.61%
002.06	127	118	17.405	0.23174	17.396	0.21961	0.01389	1.26%	0.21579	0.11949	0.24667	1.24%	0.69%	1.42%	2.0644	0.13403	2.60%
002.07	1		17.778														
002.08	4	4	17.192	0.36665	17.192	0.36665	0.12963	2.13%	0.36202	0.08214	0.37123	2.11%	0.48%	2.16%	4.5192	0.09078	2.61%
002.10	1		17.320														
002.11	5	5	17.397	0.99924	17.397	0.99924	0.31599	5.74%	0.99757	0.08167	1.0009	5.73%	0.47%	5.75%	12.256	0.08200	2.60%
002.99	2	0															
003.00	20	17	3.3006	0.24330	3.2948	0.24530	0.03979	7.44%	0.23056	0.10987	0.25540	6.99%	3.33%	7.74%	2.3245	0.13839	3.34%
003.01	3	2	2.9344	0.42508	3.0130	0.32991	0.13469	10.95%	0.42466	0.02669	0.42550	14.47%	0.91%	14.50%	15.941	0.30290	3.39%
003.06	19	18	3.1511	0.23527	3.1338	0.17115	0.02853	5.46%	0.23142	0.05991	0.23905	7.34%	1.90%	7.59%	3.9904	0.06000	3.37%
003.09	23	21	3.1881	0.16704	3.1728	0.11293	0.01703	3.56%	0.16274	0.05325	0.17123	5.10%	1.67%	5.37%	3.2158	0.05884	3.36%
003.10	25	22	2.9998	0.12620	3.0138	0.14639	0.02113	4.86%	0.11769	0.06443	0.13417	3.92%	2.15%	4.47%	2.0823	0.06925	3.39%
003.11	5	5	3.1460	0.18026	3.1460	0.18026	0.05700	5.73%	0.17973	0.01949	0.18078	5.71%	0.62%	5.75%	9.2740	0.02400	3.37%
003.12	8	8	3.1156	0.16819	3.1288	0.14940	0.03735	4.78%	0.16414	0.05190	0.17215	5.27%	1.67%	5.53%	3.3169	0.04875	3.37%
003.13	5	4	2.9925	0.15814	3.4180	0.96125	0.30397	28.12%	0.15489	0.04509	0.16132	5.18%	1.51%	5.39%	3.5779	0.05360	3.32%

Method Code	Total # Labs Submitting	# Labs Included in Calculations	Mean	SD	Assigned Value - Robust Mean	AAFCO CS ftp - 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
003.14	31	28	3.1645	0.18898	3.1365	0.15789	0.02038	5.03%	0.18177	0.07311	0.19592	5.74%	2.31%	6.19%	2.6799	0.07864	3.37%
003.99	4	3	3.3100	0.19944	3.2575	0.19376	0.06850	5.95%	0.19268	0.07280	0.20597	5.82%	2.20%	6.22%	2.8293	0.66000	3.35%
004.00	23	21	3.6538	0.21543	3.6696	0.17463	0.02633	4.76%	0.20287	0.10249	0.22729	5.55%	2.81%	6.22%	2.2177	0.13591	3.29%
004.01	1		4.6450														
004.03	6	5	3.9870	0.17531	3.9198	0.25781	0.07442	6.58%	0.17279	0.04183	0.17778	4.33%	1.05%	4.46%	4.2499	0.04500	3.26%
004.06	35	34	3.8757	0.26500	3.8714	0.18899	0.02259	4.88%	0.25753	0.08831	0.27225	6.64%	2.28%	7.02%	3.0830	0.09181	3.26%
004.07	53	51	3.5364	0.33448	3.5413	0.36082	0.03505	10.19%	0.32113	0.13233	0.34733	9.08%	3.74%	9.82%	2.6246	0.16088	3.31%
004.11	3	2	3.6275	0.38537	3.6817	0.28820	0.11766	7.83%	0.38536	0.00500	0.38539	10.62%	0.14%	10.62%	77.078	0.10333	3.29%
004.99	3	3	3.6995	0.23856	3.6995	0.23856	0.09739	6.45%	0.23697	0.03900	0.24015	6.41%	1.05%	6.49%	6.1581	0.05500	3.28%
005.00	98	93	5.1048	0.12971	5.1093	0.14855	0.01067	2.91%	0.12331	0.05689	0.13580	2.42%	1.11%	2.66%	2.3869	0.05961	3.13%
005.02	1		5.2850														
005.05	27	25	5.2068	0.08473	5.2181	0.08661	0.01201	1.66%	0.07664	0.05109	0.09211	1.47%	0.98%	1.77%	1.8029	0.05296	3.12%
005.11	4	4	6.0150	1.2965	6.0150	1.2965	0.45837	21.55%	1.2964	0.02398	1.2966	21.55%	0.40%	21.56%	54.071	0.03000	3.05%
005.99	9	7	5.1829	0.25585	5.1655	0.24071	0.05674	4.66%	0.25489	0.03117	0.25679	4.92%	0.60%	4.95%	8.2391	0.04667	3.12%
006.00	3	2	5.5300	1.1102	5.2267	0.94459	0.38563	18.07%	1.1031	0.17678	1.1172	19.95%	3.20%	20.20%	6.3197	1.0667	3.12%
006.01	2	0															
006.99	6	5	4.1860	0.70576	4.1860	0.70576	0.22318	16.86%	0.70493	0.04837	0.70659	16.84%	1.16%	16.88%	14.607	0.05200	3.22%
008.02	11	9	5.0289	0.51186	5.0110	0.45915	0.09789	9.16%	0.50716	0.09792	0.51653	10.08%	1.95%	10.27%	5.2748	0.13818	3.14%
008.05	1		4.7500														
008.08	29	27	4.9875	0.58519	4.9759	0.64310	0.08594	12.92%	0.57604	0.14574	0.59419	11.55%	2.92%	11.91%	4.0771	0.17085	3.14%
008.99	1		4.5000														
009.04	1		14.320														
009.07	6	6	14.944	1.0370	14.945	1.1739	0.33889	7.86%	1.0239	0.23286	1.0500	6.85%	1.56%	7.03%	4.5092	0.27833	2.66%
009.09	30	30	14.069	0.88977	14.070	1.0085	0.13020	7.17%	0.86091	0.31788	0.91772	6.12%	2.26%	6.52%	2.8870	0.32973	2.69%
009.99	1		10.925														
010.03	3	3	9.8817	0.15948	9.8817	0.15948	0.06511	1.61%		0.33254			3.37%			0.43667	2.83%
010.11	3	3	9.4783	0.80797	9.4783	0.80797	0.32985	8.52%	0.80788	0.01683	0.80805	8.52%	0.18%	8.53%	48.006	0.02333	2.85%
010.99	11	9	9.8956	0.50017	9.7360	0.31950	0.07144	3.28%	0.49901	0.04807	0.50132	5.04%	0.49%	5.07%	10.428	0.07000	2.84%
011.01	70	61	10.445	0.20152	10.445	0.19338	0.01671	1.85%	0.19124	0.08987	0.21130	1.83%	0.86%	2.02%	2.3511	0.10569	2.81%
011.02	2	0															
011.03	1		9.9150														
011.99	3	3	10.057	0.26274	10.057	0.26274	0.10726	2.61%	0.25599	0.08367	0.26932	2.55%	0.83%	2.68%	3.2190	0.11333	2.83%
012.00	11	10	41.098	0.84675	41.078	0.79646	0.16981	1.94%	0.82477	0.27105	0.86817	2.01%	0.66%	2.11%	3.2029	0.26909	2.29%
012.01	5	5	39.503	3.0169	39.503	3.0169	0.95401	7.64%	2.7683	1.6958	3.2464	7.01%	4.29%	8.22%	1.9144	1.6758	2.30%
012.03	4	3	37.935	0.75301	38.201	0.81337	0.28757	2.13%	0.75219	0.04983	0.75383	1.98%	0.13%	1.99%	15.127	0.23750	2.31%
012.04	5	5	39.506	2.2153	39.506	2.2153	0.70054	5.61%	2.2078	0.25760	2.2228	5.59%	0.65%	5.63%	8.6287	0.26800	2.30%
012.11	4	4	41.678	2.0535	41.678	2.0535	0.72603	4.93%	2.0495	0.18283	2.0576	4.92%	0.44%	4.94%	11.254	0.18500	2.28%
013.00	14	14	3.8939	0.36053	3.8742	0.32167	0.06079	8.30%	0.34530	0.14662	0.37514	8.87%	3.77%	9.63%	2.5586	0.15357	3.26%

Method Code	Total # Labs Submitting	# Labs Included in Calculations	Mean	SD	Assigned Value - Robust Mean	AAFCO CS fp - Robust sd	Uncertainty (U) - Robust	% RSD - Robust	Between Labs sL	Within Labs sr	Reproducibility sR	Between Labs %RSD	Within Labs %rsd	Reproducibility %RSD	sR/sr	Average Range (R-bar)	Horwitz %RSD
013.02	23	19	4.3653	0.36245	4.4023	0.33840	0.05222	7.69%	0.35150	0.12505	0.37308	8.05%	2.86%	8.55%	2.9835	0.15143	3.20%
013.08	1		3.0420														
013.10	8	8	4.1472	0.74229	4.1123	0.77309	0.19327	18.80%	0.73154	0.17796	0.75288	17.64%	4.29%	18.15%	4.2306	0.21863	3.23%
013.13	4	4	4.2388	0.36856	4.2388	0.36856	0.13031	8.70%	0.36631	0.05755	0.37080	8.64%	1.36%	8.75%	6.4427	0.07250	3.22%
015.41	6	6	33.757	5.8258	34.318	5.4009	1.5591	15.74%	5.7792	1.0393	5.8719	17.12%	3.08%	17.39%	5.6497	1.0955	9.40%
015.42	1		43.750														
015.43	8	7	34.695	6.3260	36.514	3.8482	1.0285	10.54%	6.3088	0.65940	6.3432	18.18%	1.90%	18.28%	9.6196	0.76471	9.31%
015.53	2	0															
017.41	1		7.6750														
017.42	4	3	7.3383	0.05008	8.3663	2.0562	0.72699	24.58%		0.43068			5.87%			0.42750	11.62%
017.43	7	5	5.0630	3.4343	6.5630	1.3319	0.38448	20.29%	3.4338	0.07490	3.4347	67.82%	1.48%	67.84%	45.857	0.16000	12.05%
017.52	1		6.6500														
017.53	1		7.5410														
019.00	23	21	0.83415	0.09868	0.82628	0.06171	0.00930	7.47%	0.09847	0.00911	0.09889	11.80%	1.09%	11.85%	10.858	0.01157	4.12%
019.02	1		0.97500														
019.03	1		0.86650														
019.08	8	6	0.85917	0.03513	0.86310	0.04805	0.01201	5.57%	0.03500	0.00424	0.03526	4.07%	0.49%	4.10%	8.3105	0.00550	4.09%
019.09	1		0.83650														
019.31	30	27	0.80009	0.03853	0.80626	0.03296	0.00433	4.09%	0.03790	0.00980	0.03915	4.74%	1.22%	4.89%	3.9950	0.01346	4.13%
019.32	5	4	0.81174	0.00463	0.81981	0.01849	0.00585	2.26%		0.01052			1.30%			0.01330	4.12%
019.33	1		0.81600														
019.41	36	35	0.81111	0.04536	0.81086	0.04392	0.00518	5.42%	0.04428	0.01395	0.04642	5.46%	1.72%	5.72%	3.3290	0.01638	4.13%
019.42	19	18	0.82527	0.03090	0.82764	0.03595	0.00583	4.34%	0.02972	0.01194	0.03203	3.60%	1.45%	3.88%	2.6816	0.01302	4.12%
019.43	24	22	0.80712	0.05895	0.81181	0.05712	0.00842	7.04%	0.05749	0.01844	0.06038	7.12%	2.28%	7.48%	3.2747	0.02039	4.13%
019.44	3	3	0.90333	0.06704	0.90333	0.06704	0.02737	7.42%	0.06322	0.03156	0.07066	7.00%	3.49%	7.82%	2.2388	0.03200	4.06%
019.52	4	4	0.83034	0.07997	0.83034	0.07997	0.02827	9.63%	0.07917	0.01602	0.08077	9.53%	1.93%	9.73%	5.0410	0.01923	4.11%
019.53	3	3	0.80130	0.12141	0.80130	0.12141	0.04957	15.15%	0.11676	0.04706	0.12589	14.57%	5.87%	15.71%	2.6749	0.05493	4.14%
019.99	4	3	0.73965	0.06955	0.81724	0.16524	0.05842	20.22%	0.06945	0.00531	0.06966	9.39%	0.72%	9.42%	13.124	0.02828	4.12%
021.00	1		0.21500														
021.31	1		0.00000														
021.41	2	0															
021.42	1		0.28450														
021.43	7	6	0.46269	0.08609	0.43599	0.11985	0.03203	27.49%	0.08230	0.03575	0.08973	17.79%	7.73%	19.39%	2.5102	0.03081	18.13%
021.52	2	0															
021.53	5	5	0.40817	0.07466	0.40817	0.07466	0.02361	18.29%	0.06927	0.03939	0.07968	16.97%	9.65%	19.52%	2.0231	0.04074	18.31%
022.31	15	14	12.970	1.0328	13.000	1.1024	0.20833	8.48%	1.0003	0.36349	1.0643	7.71%	2.80%	8.21%	2.9280	0.39286	10.87%
022.32	4	4	14.485	0.68937	14.485	0.68937	0.24373	4.76%		0.99247			6.85%			1.1500	10.70%
022.33	2	0															

Method Code	Total # Labs Submitting	# Labs Included in Calculations	Mean	SD	Assigned Value - Robust Mean	AAFCO CS ftp - 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
022.41	27	25	13.378	1.3298	13.312	1.2678	0.17582	9.52%	1.2356	0.69503	1.4177	9.24%	5.20%	10.60%	2.0398	0.78769	10.84%
022.42	16	14	13.805	1.0116	13.666	1.2177	0.22233	8.91%	0.95008	0.49146	1.0697	6.88%	3.56%	7.75%	2.1765	0.47400	10.79%
022.43	18	16	12.698	0.81101	12.653	0.93879	0.15647	7.42%	0.75123	0.43219	0.86668	5.92%	3.40%	6.83%	2.0053	0.64056	10.92%
022.44	2	0															
022.52	1		12.500														
022.53	5	5	12.176	0.69400	12.176	0.69400	0.21946	5.70%	0.63080	0.40919	0.75190	5.18%	3.36%	6.18%	1.8375	0.46400	10.98%
022.99	1		10.500														
025.31	16	15	173.25	13.671	173.33	13.636	2.4896	7.87%	13.429	3.6231	13.909	7.75%	2.09%	8.03%	3.8389	3.6287	7.36%
025.32	4	4	171.08	37.006	171.08	37.006	13.084	21.63%	36.938	3.1718	37.074	21.59%	1.85%	21.67%	11.689	4.1475	7.38%
025.33	2	0															
025.41	28	26	171.96	9.4345	172.03	9.3188	1.2453	5.42%	8.5870	5.5271	10.212	4.99%	3.21%	5.94%	1.8476	5.9364	7.37%
025.42	15	15	179.20	12.546	179.11	14.040	2.5633	7.84%	11.980	5.2680	13.087	6.69%	2.94%	7.30%	2.4843	5.1559	7.33%
025.43	21	18	171.84	19.435	170.65	13.065	2.0658	7.66%	19.268	3.5939	19.601	11.21%	2.09%	11.41%	5.4539	4.5445	7.38%
025.52	1		163.30														
025.53	3	3	152.59	27.597	152.59	27.597	11.266	18.09%	27.283	5.8675	27.907	17.88%	3.85%	18.29%	4.7562	7.7500	7.51%
025.99	1		159.50														
027.31	12	12	0.22643	0.00832	0.22630	0.00919	0.00188	4.06%	0.00741	0.00535	0.00914	3.27%	2.36%	4.04%	1.7091	0.00624	5.00%
027.32	5	4	0.23869	0.00776	0.23495	0.01072	0.00339	4.56%	0.00755	0.00255	0.00797	3.16%	1.07%	3.34%	3.1269	0.00578	4.97%
027.33	2	0															
027.41	24	22	0.23384	0.00954	0.23551	0.00868	0.00128	3.69%	0.00919	0.00361	0.00987	3.93%	1.54%	4.22%	2.7336	0.00386	4.97%
027.42	14	12	0.23533	0.00853	0.23483	0.00933	0.00176	3.97%	0.00798	0.00424	0.00904	3.39%	1.80%	3.84%	2.1305	0.00583	4.97%
027.43	18	17	0.22852	0.01584	0.22791	0.01677	0.00279	7.36%	0.01524	0.00609	0.01641	6.67%	2.66%	7.18%	2.6952	0.00617	5.00%
027.44	2	0															
027.52	2	0															
027.53	3	3	0.22432	0.01498	0.22432	0.01498	0.00612	6.68%	0.01476	0.00364	0.01520	6.58%	1.62%	6.78%	4.1782	0.00430	5.01%
027.99	2	0															
028.31	16	16	163.48	13.069	164.46	12.860	2.2733	7.82%	12.735	4.1478	13.394	7.79%	2.54%	8.19%	3.2291	4.0256	7.42%
028.32	4	4	179.29	7.8484	179.29	7.8484	2.7748	4.38%	5.8525	7.3954	9.4310	3.26%	4.12%	5.26%	1.2753	7.1250	7.33%
028.33	2	0															
028.41	27	25	169.91	7.9997	169.81	8.6223	1.1733	5.08%	6.9280	5.6565	8.9439	4.08%	3.33%	5.26%	1.5812	6.5294	7.39%
028.42	17	16	180.54	7.0715	179.41	6.6784	1.1453	3.72%	6.5151	3.8884	7.5873	3.61%	2.15%	4.20%	1.9512	4.7694	7.33%
028.43	21	20	173.72	11.307	174.66	10.684	1.6893	6.12%	10.968	3.8862	11.636	6.31%	2.24%	6.70%	2.9942	3.8700	7.35%
028.44	3	3	162.67	18.072	162.67	18.072	7.3777	11.11%	18.012	2.0817	18.131	11.07%	1.28%	11.15%	8.7101	2.0000	7.43%
028.52	1		170.00														
028.53	4	4	172.30	9.0591	172.30	9.0591	3.2029	5.26%	7.9200	6.2194	10.070	4.60%	3.61%	5.84%	1.6191	7.5600	7.37%
028.99	1		173.00														
031.00	2	0															
031.01	54	49	0.75647	0.02674	0.75846	0.02299	0.00225	3.03%	0.02572	0.01036	0.02773	3.40%	1.37%	3.67%	2.6769	0.01158	4.17%

Method Code	Total # Labs Submitting	# Labs Included in Calculations	Mean	SD	Assigned Value - Robust Mean	AAFCO CS ftp - 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
031.02	4	3	0.75000	0.01000	0.75293	0.01004	0.00355	1.33%	0.01000	0.00000	0.01000	1.33%	0.00%	1.33%		0.00070	4.17%
031.03	4	4	0.75769	0.02555	0.75769	0.02555	0.00903	3.37%	0.02150	0.01951	0.02903	2.84%	2.57%	3.83%	1.4882	0.02148	4.17%
031.06	2	0															
031.41	34	33	0.75853	0.03331	0.75991	0.02691	0.00326	3.54%	0.03082	0.01789	0.03563	4.06%	2.36%	4.70%	1.9922	0.01858	4.17%
031.42	19	17	0.75190	0.02969	0.75221	0.02807	0.00468	3.73%	0.02631	0.01946	0.03272	3.50%	2.59%	4.35%	1.6816	0.02676	4.17%
031.43	23	21	0.75298	0.03618	0.75632	0.04090	0.00617	5.41%	0.03511	0.01232	0.03721	4.66%	1.64%	4.94%	3.0197	0.01160	4.17%
031.44	2	0															
031.52	1		0.72485														
031.53	4	4	0.75778	0.05216	0.75778	0.05216	0.01844	6.88%	0.05120	0.01406	0.05310	6.76%	1.86%	7.01%	3.7761	0.01670	4.17%
031.99	5	5	0.74273	0.08300	0.74273	0.08300	0.02625	11.17%	0.08254	0.01235	0.08346	11.11%	1.66%	11.24%	6.7604	0.01498	4.18%
032.02	3	2	0.85700	0.03041	0.85467	0.02188	0.00893	2.56%	0.03034	0.00292	0.03048	3.54%	0.34%	3.56%	10.453	0.02267	4.10%
032.08	1		0.93700														
032.31	14	13	0.89800	0.04310	0.89763	0.04818	0.00945	5.37%	0.04206	0.01329	0.04411	4.68%	1.48%	4.91%	3.3181	0.01502	4.07%
032.32	3	3	0.88262	0.05515	0.88262	0.05515	0.02252	6.25%	0.05461	0.01096	0.05570	6.19%	1.24%	6.31%	5.0829	0.01263	4.08%
032.41	26	24	0.88992	0.04403	0.89756	0.03172	0.00440	3.53%	0.04228	0.01739	0.04571	4.75%	1.95%	5.14%	2.6288	0.02114	4.07%
032.42	16	16	0.89335	0.03234	0.89404	0.03412	0.00603	3.82%	0.03012	0.01664	0.03441	3.37%	1.86%	3.85%	2.0681	0.01794	4.07%
032.43	18	14	0.88796	0.03179	0.88722	0.03358	0.00576	3.78%	0.03117	0.00882	0.03240	3.51%	0.99%	3.65%	3.6726	0.01776	4.07%
032.44	1		0.90100														
032.52	2	0															
032.53	4	3	0.94107	0.00718	0.91030	0.06181	0.02185	6.79%		0.01683			1.79%			0.02200	4.06%
032.99	2	0															
033.00	33	31	0.36992	0.04565	0.37096	0.04117	0.00515	11.10%	0.04517	0.00936	0.04613	12.21%	2.53%	12.47%	4.9304	0.01041	4.64%
033.01	39	34	0.43968	0.03057	0.43787	0.01928	0.00224	4.40%	0.03032	0.00553	0.03082	6.90%	1.26%	7.01%	5.5737	0.00575	4.53%
033.03	6	6	0.35417	0.03277	0.35457	0.03634	0.01049	10.25%	0.03233	0.00764	0.03322	9.13%	2.16%	9.38%	4.3491	0.00833	4.68%
033.05	5	4	0.41200	0.03081	0.46660	0.12497	0.03952	26.78%	0.03040	0.00711	0.03122	7.38%	1.72%	7.58%	4.3930	0.21040	4.49%
033.99	8	7	0.40234	0.16940	0.37804	0.17857	0.04464	47.24%	0.16857	0.02371	0.17023	41.90%	5.89%	42.31%	7.1801	0.03901	4.63%
034.01	2	0															
034.04	7	6	0.44583	0.04443	0.44583	0.05039	0.01455	11.30%	0.04056	0.02566	0.04799	9.10%	5.76%	10.76%	1.8705	0.02833	18.06%
034.41	1		0.44050														
034.42	1		0.61500														
034.43	4	4	0.33054	0.23431	0.33054	0.23431	0.08284	70.89%	0.22732	0.08036	0.24110	68.77%	24.31%	72.94%	3.0004	0.07938	18.90%
034.52	3	3	0.46983	0.10864	0.46983	0.10864	0.04435	23.12%	0.10224	0.05194	0.11468	21.76%	11.06%	24.41%	2.2078	0.05567	17.92%
034.53	8	7	0.41326	0.01754	0.41648	0.02105	0.00526	5.05%		0.02773			6.71%			0.02580	18.25%
035.01	3	3	0.13567	0.00625	0.13567	0.00625	0.00255	4.61%	0.00618	0.00129	0.00632	4.56%	0.95%	4.66%	4.8939	0.00133	5.40%
035.02	1		0.12500														
035.05	5	5	0.13910	0.00675	0.13910	0.00675	0.00213	4.85%		0.01079			7.76%			0.01180	5.38%
035.31	18	16	0.13522	0.01169	0.13318	0.01275	0.00212	9.57%	0.01143	0.00345	0.01194	8.46%	2.55%	8.83%	3.4614	0.00397	5.42%
035.32	4	3	0.15192	0.00270	0.13993	0.02408	0.00852	17.21%		0.00416			2.74%			0.00475	5.38%

Method Code	Total # Labs Submitting	# Labs Included in Calculations	Mean	SD	Assigned Value - Robust Mean	AAFCO CS fp - Robust sd	Uncertainty (U) - Robust	% RSD - Robust	Between Labs sL	Within Labs sr	Reproducibility sR	Between Labs %RSD	Within Labs %rsd	Reproducibility %RSD	sR/sr	Average Range (R-bar)	Horwitz %RSD
035.41	28	25	0.12710	0.00842	0.12775	0.00839	0.00112	6.57%	0.00807	0.00342	0.00876	6.35%	2.69%	6.89%	2.5620	0.00456	5.45%
035.42	15	13	0.12442	0.00460	0.12583	0.00642	0.00117	5.10%	0.00373	0.00382	0.00534	3.00%	3.07%	4.29%	1.3983	0.00536	5.46%
035.43	16	16	0.12615	0.01473	0.12570	0.00855	0.00151	6.80%	0.01458	0.00294	0.01487	11.56%	2.33%	11.79%	5.0604	0.00251	5.46%
035.52	2	0															
035.53	4	4	0.12406	0.00626	0.12406	0.00626	0.00221	5.05%	0.00563	0.00388	0.00683	4.54%	3.13%	5.51%	1.7616	0.00403	5.48%
035.99	2	0															
036.04	3	2	0.23500	0.00000	0.23000	0.00866	0.00354	3.77%		0.00707			3.01%			0.00667	4.99%
036.42	15	15	0.21539	0.01318	0.21420	0.00960	0.00175	4.48%	0.01287	0.00404	0.01349	5.97%	1.88%	6.26%	3.3372	0.00417	5.04%
036.43	9	8	0.21538	0.01053	0.21278	0.01424	0.00336	6.69%	0.00982	0.00536	0.01119	4.56%	2.49%	5.20%	2.0869	0.00733	5.05%
036.99	2	0															
037.31	18	16	162.67	9.0978	161.20	7.3493	1.2249	4.56%	8.9118	2.5882	9.2800	5.48%	1.59%	5.70%	3.5856	3.1206	7.44%
037.32	4	3	171.47	22.151	173.58	18.571	6.5658	10.70%	22.036	3.1885	22.265	12.85%	1.86%	12.99%	6.9829	11.400	7.36%
037.33	2	0															
037.41	27	27	161.49	7.3838	161.03	6.6168	0.90044	4.11%	6.6380	4.5732	8.0609	4.11%	2.83%	4.99%	1.7626	5.3885	7.45%
037.42	16	14	161.84	8.3102	162.26	8.8867	1.6225	5.48%	4.8642	9.5288	10.699	3.01%	5.89%	6.61%	1.1228	10.593	7.44%
037.43	22	20	157.42	10.047	158.34	9.6973	1.4963	6.12%	9.6873	3.7685	10.394	6.15%	2.39%	6.60%	2.7583	4.7933	7.46%
037.44	2	0															
037.52	1		155.00														
037.53	4	4	146.68	16.670	146.68	16.670	5.8937	11.37%	15.355	9.1788	17.889	10.47%	6.26%	12.20%	1.9489	11.695	7.55%
037.99	2	0															
038.41	2	0															
038.42	3	3	1.8433	0.10681	1.8433	0.10681	0.04360	5.79%	0.05500	0.12949	0.14068	2.98%	7.02%	7.63%	1.0865	0.13333	14.59%
038.43	10	9	1.7707	0.42430	1.6878	0.49546	0.11079	29.36%	0.41096	0.14933	0.43724	23.21%	8.43%	24.69%	2.9281	0.13912	14.78%
038.52	1		1.6515														
038.53	5	5	1.8493	0.14448	1.8493	0.14448	0.04569	7.81%	0.14009	0.04996	0.14873	7.58%	2.70%	8.04%	2.9773	0.06300	14.58%
040.42	1		9.5500														
040.43	1		10.028														
040.52	1		7.4500														
040.53	1		6.8326														
041.43	1		0.00000														
041.53	1		0.35700														
042.00	1		0.21000														
045.00	8	8	83.165	51.823	109.79	7.2693	1.8173	6.62%	51.771	3.2816	51.875	62.25%	3.95%	62.38%	15.808	3.2751	7.89%
045.02	10	9	111.62	7.4589	110.07	9.7005	2.1691	8.81%	7.1597	2.9580	7.7466	6.41%	2.65%	6.94%	2.6189	2.6910	7.88%
101.01	2	0															
101.02	1		1,438.3														
102.01	1		145.00														
103.01	1		28.900														

Method Code	Total # Labs Submitting	# Labs Included in Calculations	Mean	SD	Assigned Value - Robust Mean	AAFCO CS fp - Robust sd	Uncertainty (U) - Robust	% RSD - Robust	Between Labs sL	Within Labs sr	Reproducibility sR	Between Labs %RSD	Within Labs %rsd	Reproducibility %RSD	sR/sr	Average Range (R-bar)	Horwitz %RSD
104.00	2	0															
104.03	1		9.7000														
105.00	1		6.9500														
106.01	1		5.1100														
106.02	15	14	10.210	2.8600	10.347	2.9462	0.55677	28.47%	2.8104	0.74945	2.9086	27.53%	7.34%	28.49%	3.8810	0.81674	28.26%
107.00	1		40.400														
108.01	1		5.4450														
108.02	5	5	5.7490	0.90782	5.7490	0.90782	0.28708	15.79%	0.85962	0.41278	0.95359	14.95%	7.18%	16.59%	2.3102	0.45000	30.87%
108.99	1		6.5800														
109.02	16	13	48.947	9.2857	48.954	12.334	2.2519	25.20%	9.1968	1.8126	9.3738	18.79%	3.70%	19.15%	5.1716	2.9144	8.91%
113.01	1		1.9900														
114.01	1		2.2150														
120.00	14	11	0.85320	0.01034	0.85391	0.01254	0.00246	1.47%	0.00930	0.00638	0.01128	1.09%	0.75%	1.32%	1.7688	0.01008	4.10%
120.01	1		1.2050														
120.02	2	0															
120.05	4	4	0.85075	0.03197	0.85075	0.03197	0.01130	3.76%	0.02881	0.01962	0.03485	3.39%	2.31%	4.10%	1.7763	0.02100	4.10%
121.00	13	12	1.1293	0.03092	1.1367	0.02731	0.00536	2.40%	0.02956	0.01282	0.03222	2.62%	1.14%	2.85%	2.5127	0.01478	3.92%
121.01	1		0.80900														
121.02	2	0															
121.05	4	3	1.1030	0.04623	1.1248	0.05759	0.02036	5.12%	0.04392	0.02041	0.04843	3.98%	1.85%	4.39%	2.3725	0.06050	3.93%
122.00	13	10	1.5494	0.03459	1.5474	0.03984	0.00813	2.58%	0.03383	0.01022	0.03534	2.18%	0.66%	2.28%	3.4572	0.01778	3.75%
122.01	1		1.5315														
122.02	2	0															
122.05	4	3	1.5767	0.01407	1.5463	0.06191	0.02189	4.00%	0.00922	0.01504	0.01764	0.58%	0.95%	1.12%	1.1727	0.05750	3.75%
124.00	14	13	0.30672	0.01009	0.30812	0.01250	0.00236	4.06%	0.00201	0.01398	0.01412	0.66%	4.56%	4.61%	1.0103	0.01413	4.78%
124.01	1		0.29350														
124.02	2	0															
124.05	2	0															
124.99	1		0.20450														
125.00	13	11	3.1477	0.04799	3.1578	0.05410	0.01104	1.71%	0.04597	0.01948	0.04993	1.46%	0.62%	1.59%	2.5629	0.02980	3.36%
125.01	1		3.1242														
125.02	2	0															
125.05	4	4	3.1221	0.09208	3.1221	0.09208	0.03256	2.95%		0.15626			5.00%			0.18125	3.37%
126.00	13	11	0.76174	0.01044	0.76226	0.01337	0.00262	1.75%	0.00925	0.00685	0.01151	1.21%	0.90%	1.51%	1.6805	0.01385	4.17%
126.01	1		0.73500														
126.02	2	0															
126.05	4	4	0.79363	0.01941	0.79363	0.01941	0.00686	2.45%		0.03348			4.22%			0.03825	4.14%
127.00	14	12	0.45600	0.01037	0.45410	0.01223	0.00240	2.69%	0.00923	0.00668	0.01140	2.03%	1.46%	2.50%	1.7063	0.00858	4.50%

Method Code	Total # Labs Submitting	# Labs Included in Calculations	Mean	SD	Assigned Value - Robust Mean	AAFCO CS fp - Robust sd	Uncertainty (U) - Robust	% RSD - Robust	Between Labs sL	Within Labs sr	Reproducibility sR	Between Labs %RSD	Within Labs %rsd	Reproducibility %RSD	sR/sr	Average Range (R-bar)	Horwitz %RSD
127.01	1		0.43550														
127.02	2	0															
127.05	4	4	0.48788	0.02834	0.48788	0.02834	0.01002	5.81%	0.02142	0.02624	0.03387	4.39%	5.38%	6.94%	1.2908	0.02675	4.46%
128.00	14	12	0.64963	0.02234	0.65269	0.01536	0.00301	2.35%	0.02182	0.00679	0.02285	3.36%	1.05%	3.52%	3.3637	0.01059	4.26%
128.01	1		0.69400														
128.02	2	0															
128.05	4	3	0.68100	0.01588	0.71513	0.06947	0.02456	9.71%	0.01397	0.01069	0.01759	2.05%	1.57%	2.58%	1.6451	0.08275	4.21%
129.00	13	11	1.3674	0.01469	1.3644	0.01466	0.00299	1.07%	0.01444	0.00386	0.01494	1.06%	0.28%	1.09%	3.8761	0.00706	3.82%
129.01	1		1.3550														
129.02	2	0															
129.05	4	4	1.3791	0.04611	1.3791	0.04611	0.01630	3.34%	0.03894	0.03493	0.05231	2.82%	2.53%	3.79%	1.4975	0.03225	3.81%
130.00	17	15	0.85917	0.01447	0.86085	0.01053	0.00186	1.22%	0.00843	0.01664	0.01865	0.98%	1.94%	2.17%	1.1208	0.01776	4.09%
130.01	3	3	0.83867	0.06924	0.83867	0.06924	0.02827	8.26%	0.06870	0.01217	0.06977	8.19%	1.45%	8.32%	5.7353	0.01467	4.11%
130.02	2	0															
130.05	7	5	0.88780	0.01078	0.88364	0.01590	0.00459	1.80%		0.01777			2.00%			0.02133	4.07%
131.00	16	14	0.37251	0.01587	0.37600	0.01457	0.00266	3.87%	0.01526	0.00613	0.01645	4.10%	1.65%	4.42%	2.6835	0.00627	4.63%
131.01	2	0															
131.02	2	0															
131.05	4	4	0.36963	0.02014	0.36963	0.02014	0.00712	5.45%	0.01638	0.01657	0.02330	4.43%	4.48%	6.30%	1.4060	0.01875	4.65%
131.99	1		0.29050														
132.00	14	11	0.80360	0.01185	0.80167	0.01065	0.00209	1.33%	0.01119	0.00553	0.01248	1.39%	0.69%	1.55%	2.2583	0.00823	4.14%
132.01	1		0.80800														
132.02	2	0															
132.05	4	3	0.80533	0.02189	0.81600	0.02783	0.00984	3.41%	0.02160	0.00500	0.02217	2.68%	0.62%	2.75%	4.4343	0.02750	4.12%
133.00	13	12	1.0579	0.02721	1.0643	0.02797	0.00548	2.63%	0.01860	0.02809	0.03369	1.76%	2.66%	3.18%	1.1995	0.02821	3.96%
133.05	4	4	1.1004	0.03953	1.1004	0.03953	0.01397	3.59%	0.03249	0.03184	0.04549	2.95%	2.89%	4.13%	1.4287	0.03325	3.94%
133.99	1		1.7550														
134.00	14	12	0.82250	0.02197	0.81892	0.02740	0.00537	3.35%	0.02000	0.01286	0.02377	2.43%	1.56%	2.89%	1.8486	0.01685	4.12%
134.01	1		0.80900														
134.02	2	0															
134.05	4	4	0.82613	0.03419	0.82613	0.03419	0.01209	4.14%	0.02520	0.03267	0.04127	3.05%	3.96%	5.00%	1.2629	0.03625	4.12%
135.00	14	14	0.62985	0.03069	0.62707	0.01154	0.00218	1.84%	0.02968	0.01103	0.03166	4.71%	1.75%	5.03%	2.8712	0.01139	4.29%
135.01	1		0.62250														
135.02	2	0															
135.05	4	3	0.64383	0.00861	0.64675	0.00913	0.00323	1.41%	0.00785	0.00498	0.00930	1.22%	0.77%	1.44%	1.8663	0.01650	4.27%
136.00	5	4	0.21800	0.04985	0.24861	0.08092	0.02559	32.55%	0.04972	0.00505	0.04997	22.81%	2.32%	22.92%	9.8964	0.01386	4.93%
136.01	6	5	0.21500	0.01665	0.21500	0.01665	0.00526	7.74%	0.01655	0.00249	0.01674	7.70%	1.16%	7.79%	6.7229	0.00320	5.04%
136.02	2	0															

Method Code	Total # Labs Submitting	# Labs Included in Calculations	Mean	SD	Assigned Value - Robust Mean	AAFCO CS fip - 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
136.03	2	0															
136.99	1		0.22500														
137.00	11	9	0.54784	0.02935	0.54159	0.02984	0.00636	5.51%	0.02852	0.00980	0.03015	5.21%	1.79%	5.50%	3.0779	0.01574	4.39%
137.01	1		0.57800														
137.02	2	0															
137.05	4	4	0.48500	0.05950	0.48500	0.05950	0.02104	12.27%	0.05744	0.02195	0.06149	11.84%	4.53%	12.68%	2.8014	0.02650	4.46%
138.00	13	12	0.77906	0.02331	0.77806	0.02381	0.00467	3.06%	0.02133	0.01328	0.02513	2.74%	1.70%	3.23%	1.8922	0.01478	4.15%
138.01	1		0.87100														
138.02	2	0															
138.05	4	4	0.81400	0.04085	0.81400	0.04085	0.01444	5.02%	0.03911	0.01671	0.04253	4.80%	2.05%	5.22%	2.5448	0.02150	4.13%
139.00	2	0															
139.02	2	0															
143.00	1		0.94950														
160.99	3	2	0.17325	0.03783	0.20050	0.05425	0.02215	27.06%	0.03783	0.00050	0.03783	21.83%	0.29%	21.84%	75.664	0.01033	5.09%
161.99	1		0.00000														
162.99	4	3	0.18383	0.09002	0.47538	0.58770	0.20778	123.63%	0.08935	0.01550	0.09069	48.61%	8.43%	49.33%	5.8518	0.04025	4.47%
163.99	2	0															
164.99	3	2	0.49250	0.57629	0.51083	0.40874	0.16687	80.01%	0.57628	0.00500	0.57630	117.01%	1.02%	117.02%	115.26	0.04767	4.43%
165.99	5	5	2.8923	0.30727	2.8923	0.30727	0.09717	10.62%	0.30555	0.04589	0.30898	10.56%	1.59%	10.68%	6.7327	0.05220	3.41%
166.99	1		1.0170														
167.99	1		1.1810														
400.01	2	0															
400.99	1		0.52685														
516.00	2	0															
516.34	1		4.9000														
516.43	3	2	0.05420	0.07665	0.10947	0.11000	0.04491	100.49%	0.07662	0.00280	0.07668	141.37%	5.17%	141.47%	27.384	0.01520	22.32%
516.52	1		0.07750														
516.53	6	5	0.05661	0.00277	0.05765	0.00402	0.00116	6.98%		0.00404			7.13%			0.00362	24.58%
518.34	4	3	0.06600	0.03214	27.641	55.150	19.498	199.52%	0.03175	0.00702	0.03252	48.11%	10.64%	49.28%	4.6302	1.2285	9.71%
518.41	2	0															
518.42	1		0.04650														
518.43	4	3	0.01817	0.03147	0.01863	0.02571	0.00909	138.03%	0.03145	0.00122	0.03148	173.14%	6.74%	173.27%	25.701	0.01075	29.13%
518.52	2	0															
518.53	7	5	0.05045	0.00471	0.04933	0.00226	0.00065	4.58%	0.00470	0.00043	0.00471	9.31%	0.85%	9.35%	10.962	0.00082	25.16%
520.31	1		1.8050														
520.41	1		1.0523														
520.42	1		1.5000														
520.43	4	4	1.7431	1.8450	1.7431	1.8450	0.65232	105.85%	1.8450	0.02120	1.8451	105.84%	1.22%	105.85%	87.032	0.02578	14.71%

Method Code	Total # Labs Submitting	# Labs Included in Calculations	Mean	SD	Assigned Value - Robust Mean	AAFCO CS ftp - 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
520.52	1		0.45000														
520.53	5	3	1.2175	0.08445	1.0839	0.26155	0.08271	24.13%	0.07961	0.03984	0.08902	6.54%	3.27%	7.31%	2.2343	0.12180	15.80%
520.99	1		2.4070														
526.31	1		0.10260														
526.34	3	2	0.08175	0.00460	264.39	457.80	186.90	173.15%		0.00901			11.03%			82.548	6.91%
526.43	2	0															
526.52	2	0															
526.53	6	5	0.05914	0.00713	0.06095	0.00881	0.00254	14.45%	0.00683	0.00292	0.00742	11.54%	4.93%	12.55%	2.5458	0.00537	24.37%
529.00	2	0															
539.41	1		1.7748														
539.43	3	3	2.2042	2.2514	2.2042	2.2514	0.91913	102.14%	2.2513	0.03175	2.2515	102.14%	1.44%	102.15%	70.911	0.03557	14.20%
539.53	3	3	1.9288	0.08381	1.9288	0.08381	0.03422	4.35%	0.06280	0.07849	0.10052	3.26%	4.07%	5.21%	1.2807	0.09033	14.49%
600.01	3	3	0.65333	0.23459												0.16667	
600.03	1		1.0000														
600.11	1		0.55000														
600.14	1		0.65000														
600.20	1		0.00000														
620.04	1		0.00000														
640.01	1		78.900														
650.01	1		134.50														