

AAFCO Check Sample Program

All Methods Report

Sort by Method

Proficiency For Individual Methods

Sample # 201421

Ewe Developer & Gestation Feed, Medicated



AAFCO

Check Sample Program

Issue Date : 02/28/2014

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		0.01000														
001.00	5	5	8.8030	0.51053	8.8030	0.51053	0.16145	5.80%	0.50827	0.06790	0.51279	5.77%	0.77%	5.83%	7.5524	0.08600	2.88%
001.03	17	14	9.1540	0.06509	9.1530	0.08233	0.01455	0.90%	0.06480	0.00876	0.06538	0.71%	0.10%	0.71%	7.4631	0.01566	2.87%
001.05	1		8.8100														
001.07	37	33	8.8597	0.32047	8.8936	0.32305	0.03861	3.63%	0.31734	0.06317	0.32357	3.58%	0.71%	3.65%	5.1223	0.08079	2.88%
001.08	3	3	9.0367	0.09828	9.0367	0.09828	0.04012	1.09%	0.07444	0.09074	0.11737	0.82%	1.00%	1.30%	1.2935	0.12667	2.87%
001.99	15	13	8.9158	0.51004	8.8980	0.53273	0.10068	5.99%	0.50601	0.09054	0.51404	5.68%	1.02%	5.77%	5.6772	0.09114	2.88%
002.00	2	0															
002.01	12	12	13.004	0.23874	13.026	0.13503	0.02756	1.04%	0.23238	0.07742	0.24494	1.79%	0.60%	1.88%	3.1636	0.07158	2.72%
002.02	5	5	13.105	0.38217	13.105	0.38217	0.12085	2.92%	0.37183	0.12484	0.39223	2.84%	0.95%	2.99%	3.1418	0.12874	2.72%
002.04	6	5	13.155	0.19413	13.083	0.28131	0.08121	2.15%	0.18421	0.08666	0.20357	1.40%	0.66%	1.55%	2.3491	0.08333	2.72%
002.05	45	41	13.060	0.16756	13.045	0.15932	0.01698	1.22%	0.16445	0.04542	0.17061	1.26%	0.35%	1.31%	3.7563	0.05308	2.72%
002.06	131	125	13.249	0.26784	13.252	0.28788	0.01785	2.17%	0.25522	0.11489	0.27989	1.93%	0.87%	2.11%	2.4361	0.12820	2.71%
002.08	3	3	13.358	0.35972	13.358	0.35972	0.14685	2.69%	0.35802	0.04928	0.36140	2.68%	0.37%	2.71%	7.3330	0.06373	2.71%
002.10	2	0															
002.11	5	5	12.827	0.49820	12.827	0.49820	0.15755	3.88%	0.49258	0.10559	0.50377	3.84%	0.82%	3.93%	4.7708	0.10200	2.72%
002.99	3	3	12.930	0.31548	12.930	0.31548	0.12879	2.44%	0.31189	0.06708	0.31902	2.41%	0.52%	2.47%	4.7557	0.09333	2.72%
003.00	15	13	3.5309	0.23758	3.5703	0.21658	0.03954	6.07%	0.23449	0.05400	0.24063	6.64%	1.53%	6.82%	4.4564	0.06550	3.30%
003.01	2	0															
003.06	18	16	3.2955	0.21922	3.3071	0.11645	0.01997	3.52%	0.21608	0.05227	0.22231	6.56%	1.59%	6.75%	4.2528	0.06322	3.34%
003.07	1		3.1000														
003.09	24	22	3.3849	0.17191	3.3870	0.14007	0.02022	4.14%	0.16559	0.06531	0.17800	4.89%	1.93%	5.26%	2.7256	0.07868	3.33%
003.10	35	33	3.2714	0.19598	3.2692	0.19743	0.02394	6.04%	0.19351	0.04381	0.19841	5.92%	1.34%	6.06%	4.5286	0.05339	3.35%
003.11	3	3	3.4800	0.17671	3.4800	0.17671	0.07214	5.08%	0.16756	0.07937	0.18540	4.81%	2.28%	5.33%	2.3359	0.08000	3.32%
003.12	14	14	3.3283	0.11657	3.3198	0.11469	0.02167	3.45%	0.11313	0.03971	0.11990	3.40%	1.19%	3.60%	3.0192	0.04112	3.34%
003.13	6	5	3.2936	0.10086	3.3336	0.15101	0.04359	4.53%	0.06457	0.10957	0.12718	1.96%	3.33%	3.86%	1.1607	0.12767	3.34%

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003.14	34	31	3.3605	0.19257	3.3865	0.18443	0.02236	5.45%	0.17832	0.10280	0.20583	5.31%	3.06%	6.13%	2.0023	0.12614	3.33%
003.99	4	3	3.1933	0.20008	2.9825	0.45221	0.15988	15.16%	0.19791	0.04163	0.20224	6.20%	1.30%	6.33%	4.8576	0.15500	3.39%
004.00	20	18	17.291	0.71714	17.326	0.67432	0.10662	3.89%	0.69833	0.23077	0.73547	4.04%	1.33%	4.25%	3.1870	0.27800	2.60%
004.01	2	0															
004.03	5	5	17.428	1.8486	17.428	1.8486	0.58456	10.61%	1.8441	0.18118	1.8530	10.58%	1.04%	10.63%	10.228	0.22140	2.60%
004.06	40	37	17.505	1.0384	17.469	0.89160	0.10227	5.10%	1.0344	0.12788	1.0423	5.91%	0.73%	5.95%	8.1508	0.14008	2.60%
004.07	54	50	17.272	0.69299	17.310	0.79050	0.07678	4.57%	0.67802	0.20264	0.70765	3.93%	1.17%	4.10%	3.4921	0.22883	2.60%
004.11	5	5	15.694	1.4306	15.694	1.4306	0.45241	9.12%	1.4150	0.29796	1.4461	9.02%	1.90%	9.21%	4.8532	0.31200	2.64%
004.99	2	0															
005.00	103	98	7.7037	0.23694	7.7178	0.22410	0.01585	2.90%	0.23253	0.06434	0.24127	3.02%	0.84%	3.13%	3.7499	0.06920	2.94%
005.02	1		7.9150														
005.05	32	27	7.8595	0.11256	7.8684	0.13604	0.01728	1.73%	0.11003	0.03356	0.11503	1.40%	0.43%	1.46%	3.4282	0.04334	2.93%
005.11	3	3	7.0433	2.4375	7.0433	2.4375	0.99511	34.61%	2.4373	0.03958	2.4377	34.60%	0.56%	34.61%	61.586	0.05333	2.98%
005.99	14	13	7.8627	0.11535	7.8611	0.11119	0.02101	1.41%	0.09390	0.09477	0.13341	1.19%	1.21%	1.70%	1.4077	0.08929	2.93%
006.00	3	3	2.4183	0.45228	2.4183	0.45228	0.18464	18.70%	0.42620	0.21405	0.47693	17.62%	8.85%	19.72%	2.2282	0.24333	3.50%
006.01	2	0															
006.03	1		5.3000														
006.99	4	3	4.3033	3.2139	4.3275	2.6246	0.92793	60.65%	3.2137	0.05066	3.2141	74.68%	1.18%	74.69%	63.442	0.45000	3.21%
008.02	14	12	23.403	1.1520	23.521	0.79594	0.15042	3.38%	1.1447	0.18270	1.1592	4.89%	0.78%	4.95%	6.3448	0.22286	2.49%
008.05	1		25.000														
008.08	34	32	22.563	1.0064	22.470	1.0211	0.12569	4.54%	0.98360	0.30104	1.0286	4.36%	1.33%	4.56%	3.4169	0.30327	2.50%
008.99	1		17.050														
009.04	2	0															
009.07	7	6	41.198	0.70151	41.069	0.82179	0.21963	2.00%	0.69235	0.15982	0.71055	1.68%	0.39%	1.72%	4.4460	0.30429	2.29%
009.09	32	29	38.437	1.4022	38.574	1.5226	0.19033	3.95%	1.3646	0.45601	1.4388	3.55%	1.19%	3.74%	3.1551	0.54250	2.31%
009.99	3	2	37.003	5.9362	38.732	5.1565	2.1051	13.31%	5.9362	0.01500	5.9362	16.04%	0.04%	16.04%	395.74	0.15667	2.31%
010.03	5	4	9.1813	0.14436	8.7721	0.92337	0.29199	10.53%		0.28436			3.10%			0.29550	2.88%
010.11	4	4	9.0961	1.0036	9.0961	1.0036	0.35481	11.03%	1.0011	0.09868	1.0060	11.01%	1.08%	11.06%	10.194	0.10025	2.87%
010.99	13	10	8.8595	0.46980	8.8294	0.57726	0.11783	6.54%	0.46844	0.05044	0.47115	5.29%	0.57%	5.32%	9.3417	0.07456	2.88%
011.01	73	67	9.5319	0.25350	9.5223	0.24795	0.02081	2.60%	0.24627	0.08500	0.26053	2.58%	0.89%	2.73%	3.0649	0.10835	2.85%
011.02	3	3	9.3617	0.19002	9.3617	0.19002	0.07758	2.03%	0.18248	0.07494	0.19727	1.95%	0.80%	2.11%	2.6323	0.10333	2.86%
011.03	1		9.3300														
011.99	3	3	9.2500	0.64088	9.2500	0.64088	0.26164	6.93%	0.64006	0.04583	0.64170	6.92%	0.50%	6.94%	14.003	0.05333	2.86%
012.00	13	12	17.951	0.70198	18.029	0.44247	0.08678	2.45%	0.69534	0.13623	0.70856	3.87%	0.76%	3.95%	5.2012	0.15692	2.59%
012.01	6	6	16.180	1.9915	15.863	1.5639	0.45147	9.86%	1.9573	0.51973	2.0251	12.10%	3.21%	12.52%	3.8964	0.60100	2.64%
012.03	4	4	16.126	0.79704	16.126	0.79704	0.28180	4.94%	0.73860	0.42366	0.85148	4.58%	2.63%	5.28%	2.0098	0.44750	2.63%
012.04	5	5	16.575	1.7857	16.575	1.7857	0.56469	10.77%	1.7753	0.27197	1.7960	10.71%	1.64%	10.84%	6.6037	0.32600	2.62%
012.11	3	3	20.973	2.4991	20.973	2.4991	1.0203	11.92%	2.4886	0.32419	2.5096	11.87%	1.55%	11.97%	7.7411	0.33333	2.53%

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013.00	15	15	4.1330	0.48186	4.1573	0.48455	0.08847	11.66%	0.47273	0.13207	0.49083	11.44%	3.20%	11.88%	3.7163	0.15000	3.23%
013.02	25	23	4.5148	0.32466	4.4987	0.35046	0.05058	7.79%	0.31485	0.11202	0.33418	6.97%	2.48%	7.40%	2.9833	0.12875	3.19%
013.08	1		2.9200														
013.10	10	9	4.1332	0.25465	4.0655	0.27194	0.06081	6.69%	0.23693	0.13201	0.27122	5.73%	3.19%	6.56%	2.0545	0.12910	3.24%
013.12	1		3.7050														
013.13	3	3	4.6933	0.69637	4.6933	0.69637	0.28429	14.84%	0.69589	0.03651	0.69685	14.83%	0.78%	14.85%	19.084	0.04000	3.17%
014.99	1		47.350														
015.41	5	5	69.663	13.638	69.663	13.638	4.3126	19.58%	13.600	1.4360	13.675	19.52%	2.06%	19.63%	9.5236	1.7468	8.45%
015.42	1		75.900														
015.43	6	6	80.362	17.705	80.782	7.5223	2.1715	9.31%	17.676	1.4173	17.733	22.00%	1.76%	22.07%	12.511	1.5867	8.26%
015.52	1		84.785														
015.53	2	0															
017.41	2	0															
017.42	2	0															
017.43	7	5	4.9720	3.8063	6.1770	2.8888	0.83392	46.77%	3.8062	0.03225	3.8063	76.55%	0.65%	76.56%	118.03	0.05667	12.16%
019.00	28	25	1.1608	0.13403	1.1537	0.08827	0.01201	7.65%	0.13371	0.01304	0.13434	11.52%	1.12%	11.57%	10.305	0.01850	3.91%
019.03	1		1.2381														
019.08	10	9	1.1963	0.03689	1.1904	0.04486	0.01003	3.77%	0.03321	0.02273	0.04024	2.78%	1.90%	3.36%	1.7704	0.02300	3.90%
019.31	30	27	1.1393	0.03386	1.1414	0.03986	0.00533	3.49%	0.03208	0.01532	0.03555	2.82%	1.35%	3.12%	2.3202	0.01735	3.92%
019.32	8	8	1.1668	0.05817	1.1318	0.00877	0.00219	0.78%	0.05796	0.00699	0.05838	4.97%	0.60%	5.00%	8.3478	0.00825	3.93%
019.33	1		1.2885														
019.34	2	0															
019.41	39	36	1.1676	0.06014	1.1643	0.04805	0.00551	4.13%	0.05812	0.02184	0.06209	4.98%	1.87%	5.32%	2.8432	0.02959	3.91%
019.42	17	16	1.1896	0.06546	1.1919	0.07271	0.01247	6.10%	0.06378	0.02081	0.06709	5.36%	1.75%	5.64%	3.2246	0.02694	3.90%
019.43	19	18	1.1831	0.04074	1.1761	0.03124	0.00507	2.66%	0.03463	0.03035	0.04605	2.93%	2.57%	3.89%	1.5172	0.02953	3.90%
019.44	2	0															
019.52	2	0															
019.53	2	0															
019.99	3	3	0.96233	0.17922	0.96233	0.17922	0.07317	18.62%	0.17912	0.00872	0.17933	18.61%	0.91%	18.63%	20.571	0.01200	4.02%
021.31	2	0															
021.41	4	4	1.1628	0.50633	1.1628	0.50633	0.17902	43.54%	0.50611	0.02138	0.50656	43.52%	1.84%	43.56%	23.689	0.02713	15.64%
021.42	1		0.90150														
021.43	6	5	1.6410	0.23702	1.6300	0.21047	0.06076	12.91%	0.23494	0.04438	0.23909	14.32%	2.70%	14.57%	5.3868	0.04500	14.86%
021.52	2	0															
021.53	3	3	1.4703	0.13835	1.4703	0.13835	0.05648	9.41%	0.13711	0.02614	0.13958	9.32%	1.78%	9.49%	5.3395	0.03000	15.10%
022.31	12	10	7.8024	0.84489	7.7913	0.78547	0.16746	10.08%	0.82789	0.23847	0.86155	10.61%	3.06%	11.04%	3.6128	0.34000	11.74%
022.32	4	4	12.302	3.6578	12.302	3.6578	1.2932	29.73%	3.3965	1.9200	3.9016	27.61%	15.61%	31.72%	2.0321	1.9523	10.96%
022.33	2	0															

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022.41	22	21	7.1972	1.5821	7.3850	1.5623	0.23553	21.16%	1.5497	0.45099	1.6140	21.53%	6.27%	22.42%	3.5787	0.54109	11.84%
022.42	13	12	9.3892	1.1233	9.3131	0.95886	0.18805	10.30%	1.0344	0.61952	1.2057	11.02%	6.60%	12.84%	1.9462	0.60154	11.43%
022.43	16	13	8.6411	0.87972	8.4522	0.64031	0.11690	7.58%	0.87206	0.16382	0.88731	10.09%	1.90%	10.27%	5.4163	0.23207	11.60%
022.44	1		7.1700														
022.52	1		7.5800														
022.53	2	0															
025.31	19	17	246.32	16.393	246.75	17.821	2.9702	7.22%	16.040	4.7892	16.739	6.51%	1.94%	6.80%	3.4952	5.7633	6.98%
025.32	4	4	259.99	27.357	259.99	27.357	9.6722	10.52%	27.039	5.8806	27.671	10.40%	2.26%	10.64%	4.7055	6.0275	6.93%
025.33	2	0															
025.41	32	29	232.61	12.854	232.97	8.4770	1.0944	3.64%	12.526	4.0791	13.174	5.39%	1.75%	5.66%	3.2296	4.2641	7.04%
025.42	13	12	243.82	24.298	242.87	25.780	5.2622	10.61%	23.990	5.4581	24.603	9.84%	2.24%	10.09%	4.5076	5.7842	7.00%
025.43	19	18	236.15	20.004	239.03	19.696	3.1952	8.24%	19.314	7.3628	20.670	8.18%	3.12%	8.75%	2.8074	7.9032	7.02%
025.52	1		192.88														
025.53	1		247.50														
027.31	17	14	0.30458	0.02015	0.29927	0.02062	0.00354	6.89%	0.01997	0.00379	0.02033	6.56%	1.24%	6.67%	5.3678	0.00668	4.80%
027.32	5	5	0.32065	0.01032	0.32065	0.01032	0.00326	3.22%	0.00992	0.00402	0.01070	3.09%	1.25%	3.34%	2.6638	0.00434	4.75%
027.33	2	0															
027.41	26	26	0.31563	0.01862	0.31478	0.01675	0.00232	5.32%	0.01791	0.00722	0.01931	5.67%	2.29%	6.12%	2.6732	0.00811	4.76%
027.42	13	13	0.31358	0.01917	0.31358	0.02174	0.00426	6.93%	0.01806	0.00910	0.02022	5.76%	2.90%	6.45%	2.2231	0.00828	4.76%
027.43	18	16	0.31350	0.01753	0.31119	0.00969	0.00166	3.11%	0.01703	0.00585	0.01801	5.43%	1.87%	5.74%	3.0772	0.00700	4.77%
027.44	1		0.29700														
027.52	1		0.29295														
027.53	1		0.30605														
028.31	16	16	109.26	5.9325	109.27	5.0485	0.89247	4.62%	5.4222	3.4041	6.4022	4.96%	3.12%	5.86%	1.8807	3.3201	7.89%
028.32	4	4	124.49	13.021	124.49	13.021	4.6037	10.46%	12.904	2.4640	13.137	10.37%	1.98%	10.55%	5.3317	3.1250	7.74%
028.33	2	0															
028.41	31	28	110.31	8.4940	110.50	6.6389	0.85708	6.01%	8.2730	2.7226	8.7095	7.50%	2.47%	7.90%	3.1990	3.9148	7.88%
028.42	15	15	121.59	8.5368	122.04	8.8819	1.6216	7.28%	7.9647	4.3451	9.0729	6.55%	3.57%	7.46%	2.0881	4.1133	7.76%
028.43	18	18	117.14	8.1859	117.44	8.4577	1.4096	7.20%	7.5720	4.3988	8.7569	6.46%	3.76%	7.48%	1.9908	4.8483	7.81%
028.44	2	0															
028.52	1		117.57														
028.53	2	0															
031.01	65	58	0.63860	0.02321	0.63883	0.01948	0.00172	3.05%	0.02262	0.00737	0.02379	3.54%	1.15%	3.72%	3.2281	0.00891	4.28%
031.02	3	3	0.64683	0.00742	0.64683	0.00742	0.00303	1.15%	0.00620	0.00577	0.00847	0.96%	0.89%	1.31%	1.4670	0.00673	4.27%
031.03	4	3	0.63348	0.02533	0.63761	0.02227	0.00787	3.49%	0.02515	0.00431	0.02552	3.97%	0.68%	4.03%	5.9258	0.01363	4.28%
031.06	1		0.63750														
031.41	36	32	0.64182	0.03272	0.64362	0.02910	0.00353	4.52%	0.03140	0.01300	0.03398	4.89%	2.03%	5.29%	2.6137	0.01461	4.27%
031.42	18	18	0.63490	0.03466	0.63337	0.03609	0.00602	5.70%	0.03272	0.01617	0.03649	5.15%	2.55%	5.75%	2.2573	0.01571	4.28%

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
031.43	21	19	0.63921	0.02479	0.64182	0.02830	0.00448	4.41%	0.02307	0.01282	0.02640	3.61%	2.01%	4.13%	2.0587	0.01390	4.28%
031.44	2	0															
031.52	1		0.57530														
031.53	2	0															
031.99	5	4	0.64375	0.02780	0.59000	0.12258	0.03876	20.78%	0.02746	0.00612	0.02814	4.27%	0.95%	4.37%	4.5947	0.00800	4.33%
032.02	3	3	0.91000	0.01323	0.91000	0.01323	0.00540	1.45%		0.02241			2.46%			0.02733	4.06%
032.31	20	18	0.93954	0.05052	0.94620	0.05552	0.00901	5.87%	0.05005	0.00966	0.05098	5.33%	1.03%	5.43%	5.2747	0.01062	4.03%
032.32	3	3	1.0240	0.08771	1.0240	0.08771	0.03581	8.57%	0.08552	0.02756	0.08985	8.35%	2.69%	8.77%	3.2606	0.03800	3.99%
032.41	27	25	0.96038	0.05857	0.95956	0.06333	0.00878	6.60%	0.05649	0.02184	0.06057	5.88%	2.27%	6.31%	2.7734	0.02486	4.02%
032.42	15	15	0.99575	0.05670	0.99929	0.05096	0.00930	5.10%	0.05412	0.02393	0.05917	5.43%	2.40%	5.94%	2.4724	0.02592	4.00%
032.43	18	15	0.97870	0.05767	0.99359	0.01719	0.00295	1.73%	0.05641	0.01692	0.05889	5.76%	1.73%	6.02%	3.4811	0.02041	4.00%
032.44	1		0.95450														
032.52	1		0.93845														
032.53	1		1.0116														
032.99	1		0.70900														
033.00	38	35	0.62419	0.04762	0.62775	0.05073	0.00582	8.08%	0.04700	0.01078	0.04822	7.53%	1.73%	7.73%	4.4719	0.01237	4.29%
033.01	38	34	0.69486	0.03680	0.69394	0.01756	0.00204	2.53%	0.03616	0.00967	0.03743	5.20%	1.39%	5.39%	3.8727	0.01291	4.23%
033.03	6	5	0.54200	0.08258	0.50849	0.12523	0.03615	24.63%	0.07950	0.03162	0.08556	14.67%	5.83%	15.79%	2.7055	0.03000	4.43%
033.05	4	4	0.66125	0.02955	0.66125	0.02955	0.01045	4.47%	0.02901	0.00791	0.03007	4.39%	1.20%	4.55%	3.8035	0.00750	4.26%
033.99	10	10	0.65750	0.18943	0.66314	0.09531	0.02131	14.37%	0.18785	0.03450	0.19099	28.57%	5.25%	29.05%	5.5356	0.03598	4.25%
034.01	2	0															
034.04	7	6	0.61158	0.08381	0.63112	0.10470	0.02798	16.59%	0.07989	0.03582	0.08756	13.06%	5.86%	14.32%	2.4440	0.04129	17.14%
034.32	1		0.52000														
034.41	1		0.52950														
034.43	2	0															
034.52	3	3	0.75600	0.07400	0.75600	0.07400	0.03021	9.79%	0.05214	0.07427	0.09074	6.90%	9.82%	12.00%	1.2218	0.08733	16.68%
034.53	6	6	0.53806	0.09999	0.53806	0.11339	0.03273	21.07%	0.09523	0.04313	0.10454	17.70%	8.02%	19.43%	2.4237	0.04588	17.56%
034.99	1		0.51000														
035.01	3	3	0.24417	0.01768	0.24417	0.01768	0.00722	7.24%	0.01727	0.00537	0.01808	7.07%	2.20%	7.41%	3.3676	0.00633	4.95%
035.02	1		0.24000														
035.05	8	7	0.24456	0.01654	0.24454	0.01871	0.00500	7.65%	0.01614	0.00513	0.01693	6.60%	2.10%	6.92%	3.3013	0.00636	4.94%
035.31	22	20	0.24031	0.02142	0.24070	0.01803	0.00278	7.49%	0.02094	0.00634	0.02188	8.71%	2.64%	9.11%	3.4512	0.00796	4.96%
035.32	4	4	0.27309	0.02564	0.27309	0.02564	0.00906	9.39%	0.02388	0.01322	0.02729	8.74%	4.84%	9.99%	2.0649	0.01373	4.86%
035.41	36	36	0.24282	0.01400	0.24279	0.01561	0.00184	6.43%	0.01326	0.00637	0.01471	5.46%	2.62%	6.06%	2.3079	0.00672	4.95%
035.42	14	12	0.25100	0.01879	0.24828	0.01806	0.00354	7.28%	0.01786	0.00827	0.01968	7.11%	3.29%	7.84%	2.3804	0.00773	4.93%
035.43	13	12	0.24504	0.00613	0.24519	0.00500	0.00102	2.04%	0.00415	0.00637	0.00760	1.69%	2.60%	3.10%	1.1931	0.00708	4.94%
035.52	1		0.22195														
035.53	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
036.04	3	3	0.16333	0.00764	0.16333	0.00764	0.00312	4.68%	0.00645	0.00577	0.00866	3.95%	3.53%	5.30%	1.5000	0.00667	5.25%
036.42	15	14	0.16952	0.01244	0.16895	0.01083	0.00198	6.41%	0.01194	0.00493	0.01292	7.04%	2.91%	7.62%	2.6181	0.00469	5.23%
036.43	12	9	0.16734	0.01149	0.17048	0.01000	0.00213	5.86%	0.01145	0.00148	0.01154	6.84%	0.89%	6.90%	7.7855	0.00215	5.22%
037.31	22	19	123.26	8.3099	125.37	6.9622	1.0496	5.55%	8.1489	2.3018	8.4678	6.61%	1.87%	6.87%	3.6788	3.1499	7.73%
037.32	4	4	137.53	7.6499	137.53	7.6499	2.7047	5.56%	7.2314	3.5294	8.0467	5.26%	2.57%	5.85%	2.2799	3.8375	7.62%
037.33	2	0															
037.41	30	29	129.56	8.1761	129.52	8.3509	1.0781	6.45%	7.9033	2.9619	8.4401	6.10%	2.29%	6.51%	2.8495	3.4161	7.69%
037.42	15	15	138.05	9.2090	137.35	8.8010	1.6068	6.41%	8.9307	3.1775	9.4791	6.47%	2.30%	6.87%	2.9832	3.4929	7.63%
037.43	19	18	132.34	9.0101	132.13	8.2422	1.3371	6.24%	8.4610	4.3802	9.5276	6.39%	3.31%	7.20%	2.1751	5.1547	7.67%
037.44	1		128.50														
037.52	1		134.05														
037.53	2	0															
038.41	3	3	1.9212	0.45315	1.9212	0.45315	0.18500	23.59%	0.44748	0.10112	0.45876	23.29%	5.26%	23.88%	4.5370	0.13200	14.50%
038.42	2	0															
038.43	7	5	2.1390	0.30188	2.0271	0.43627	0.12594	21.52%	0.29991	0.04868	0.30383	14.02%	2.28%	14.20%	6.2411	0.04500	14.38%
038.52	2	0															
038.53	3	2	2.1315	0.84358	2.0943	0.59996	0.24493	28.65%	0.84357	0.00500	0.84359	39.58%	0.23%	39.58%	168.72	0.04333	14.31%
040.42	1		16.750														
040.43	1		15.851														
041.43	1		0.00000														
041.53	1		0.21000														
051.00	5	5	83.279	3.6543	83.279	3.6543	1.1556	4.39%	2.0305	4.2967	4.7523	2.44%	5.16%	5.71%	1.1060	5.2094	20.65%
051.03	11	9	82.718	11.588	79.941	11.584	2.4696	14.49%	11.366	3.1892	11.805	13.74%	3.86%	14.27%	3.7016	4.3273	20.77%
051.99	2	0															
073.04	1		10.000														
101.01	1		302.00														
104.00	1		1.0900														
104.03	1		1.1900														
105.00	1		1.8250														
106.00	1		4.0000														
106.01	1		4.6350														
106.02	19	18	3.9833	0.64150	3.8827	0.67607	0.10967	17.41%	0.62330	0.21454	0.65919	15.65%	5.39%	16.55%	3.0726	0.25596	
108.01	1		0.32500														
108.02	2	0															
108.99	1		0.42900														
109.02	11	9	46.872	7.9665	45.485	9.8475	2.2020	21.65%	7.8126	2.2041	8.1176	16.67%	4.70%	17.32%	3.6829	2.0890	9.01%
109.99	1		28.210														
120.00	17	15	0.63787	0.02176	0.63413	0.01677	0.00297	2.65%	0.02070	0.00947	0.02276	3.25%	1.48%	3.57%	2.4047	0.00963	4.28%

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
120.02	2	0															
120.05	2	0															
121.00	17	15	0.81160	0.01977	0.81140	0.01965	0.00347	2.42%	0.01717	0.01384	0.02206	2.12%	1.71%	2.72%	1.5936	0.01550	4.13%
121.02	2	0															
121.05	2	0															
122.00	17	15	1.0167	0.03157	1.0109	0.03213	0.00568	3.18%	0.02989	0.01437	0.03317	2.94%	1.41%	3.26%	2.3079	0.01494	3.99%
122.02	2	0															
122.05	2	0															
124.00	16	14	0.25989	0.01223	0.25854	0.01033	0.00189	4.00%	0.01195	0.00365	0.01250	4.60%	1.40%	4.81%	3.4235	0.00373	4.90%
124.02	2	0															
124.05	2	0															
125.00	17	15	2.2707	0.06280	2.2721	0.06505	0.01150	2.86%	0.05808	0.03380	0.06720	2.56%	1.49%	2.96%	1.9880	0.04281	3.53%
125.02	2	0															
125.05	2	0															
126.00	17	15	0.74083	0.02064	0.73771	0.01530	0.00271	2.07%	0.01937	0.01007	0.02183	2.62%	1.36%	2.95%	2.1687	0.01119	4.19%
126.02	2	0															
126.05	2	0															
127.00	16	15	0.35650	0.01360	0.35533	0.01078	0.00197	3.03%	0.01306	0.00537	0.01412	3.66%	1.51%	3.96%	2.6292	0.00593	4.67%
127.02	2	0															
127.05	2	0															
128.00	17	13	0.43931	0.02113	0.43612	0.01046	0.00191	2.40%	0.02091	0.00432	0.02135	4.76%	0.98%	4.86%	4.9384	0.00573	4.53%
128.02	2	0															
128.05	2	0															
129.00	17	14	0.86993	0.01706	0.87011	0.02036	0.00360	2.34%	0.01522	0.01089	0.01872	1.75%	1.25%	2.15%	1.7190	0.01456	4.08%
129.02	2	0															
129.05	2	0															
130.00	17	15	0.59460	0.03369	0.59477	0.01914	0.00338	3.22%	0.03170	0.01613	0.03557	5.33%	2.71%	5.98%	2.2043	0.01650	4.33%
130.02	2	0															
130.05	3	3	0.61850	0.06428	0.61850	0.06428	0.02624	10.39%	0.06397	0.00895	0.06459	10.34%	1.45%	10.44%	7.2138	0.00967	4.30%
131.00	17	14	0.18361	0.01486	0.18367	0.01138	0.00208	6.19%	0.01457	0.00418	0.01515	7.93%	2.28%	8.25%	3.6263	0.00440	5.16%
131.02	2	0															
131.05	2	0															
132.00	17	13	0.52573	0.01688	0.52565	0.02047	0.00362	3.89%	0.01666	0.00385	0.01710	3.17%	0.73%	3.25%	4.4427	0.00744	4.41%
132.02	2	0															
132.05	2	0															
133.00	16	13	0.80642	0.03502	0.81028	0.04132	0.00754	5.10%	0.03415	0.01098	0.03587	4.23%	1.36%	4.45%	3.2674	0.01380	4.13%
133.05	2	0															
133.99	1		0.93000														

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 sT	Reproducibility sR	Between Labs %RSD	Within Labs %/rsd	Reproducibility %RSD	sR/sr	Average Range (R-bar)	Horwitz %RSD
134.00	16	13	0.60019	0.02751	0.59967	0.03248	0.00593	5.42%	0.02703	0.00724	0.02799	4.50%	1.21%	4.66%	3.8682	0.00900	4.32%
134.02	2	0															
134.05	2	0															
135.00	17	14	0.44850	0.01551	0.44294	0.01033	0.00189	2.33%	0.01479	0.00660	0.01620	3.30%	1.47%	3.61%	2.4539	0.00787	4.52%
135.02	2	0															
135.05	2	0															
136.00	2	0															
136.01	5	4	0.18863	0.01199	0.18990	0.01077	0.00340	5.67%	0.01191	0.00197	0.01207	6.31%	1.04%	6.40%	6.1312	0.00500	5.14%
136.02	2	0															
136.03	3	3	0.19083	0.00843	0.19083	0.00843	0.00344	4.42%	0.00768	0.00492	0.00912	4.03%	2.58%	4.78%	1.8551	0.00633	5.13%
136.99	2	0															
137.00	10	8	0.38619	0.02374	0.38559	0.02134	0.00503	5.53%	0.02331	0.00636	0.02416	6.03%	1.65%	6.26%	3.7989	0.00700	4.62%
137.02	2	0															
137.05	2	0															
138.00	17	14	0.59932	0.01345	0.59932	0.01813	0.00321	3.03%	0.01135	0.01020	0.01526	1.89%	1.70%	2.55%	1.4963	0.01125	4.32%
138.02	2	0															
138.05	2	0															
139.00	1		0.05500														
139.02	2	0															
139.03	1		22.100														
160.99	3	3	0.22500	0.03122	0.22500	0.03122	0.01275	13.88%	0.00577	0.04340	0.04378	2.57%	19.29%	19.46%	1.0088	0.05000	5.01%
162.99	3	0			0.35333	0.32332	0.13199	91.50%								0.00000	4.68%
163.99	1		0.10000														
164.99	2	0															
165.99	5	4	1.4563	0.21305	1.8580	0.91709	0.29001	49.36%	0.21103	0.04138	0.21505	14.49%	2.84%	14.77%	5.1966	0.14000	3.64%
400.01	3	3	0.45900	0.00954	0.45900	0.00954	0.00389	2.08%	0.00792	0.00753	0.01092	1.72%	1.64%	2.38%	1.4512	0.00733	
400.99	1		0.50340														
516.00	3	3	0.06800	0.01836	0.06800	0.01836	0.00749	27.00%	0.01798	0.00523	0.01873	26.44%	7.69%	27.54%	3.5818	0.00600	23.97%
516.34	1		50.700														
516.43	2	0															
516.52	2	0															
516.53	5	4	0.09684	0.00339	0.09171	0.01183	0.00374	12.90%		0.01210			12.50%			0.01074	22.92%
518.31	1		0.00000														
518.33	1		0.06000														
518.34	2	0															
518.41	4	4	0.07581	0.02367	0.07581	0.02367	0.00837	31.22%	0.02336	0.00538	0.02397	30.81%	7.09%	31.62%	4.4581	0.00513	23.58%
518.43	1		0.06000														
518.52	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
518.53	5	4	0.07091	0.00931	0.07222	0.00857	0.00271	11.87%	0.00930	0.00037	0.00931	13.12%	0.52%	13.13%	25.223	0.00168	23.76%
520.31	2	0															
520.41	3	3	2.7548	1.3061	2.7548	1.3061	0.53323	47.41%	1.3053	0.06582	1.3070	47.38%	2.39%	47.44%	19.857	0.07717	13.73%
520.43	3	2	3.4150	4.8295	5.0233	4.4071	1.7992	87.73%	4.8295	0.04000	4.8296	141.42%	1.17%	141.42%	120.74	0.66667	12.55%
520.52	1		4.0750														
520.53	3	3	4.4933	1.4200	4.4933	1.4200	0.57971	31.60%	1.3129	0.76513	1.5196	29.22%	17.03%	33.82%	1.9861	0.71667	12.76%
520.99	1		7.4900														
526.31	2	0															
526.34	2	0															
526.41	2	0															
526.43	2	0															
526.52	2	0															
526.53	5	5	0.11134	0.01262	0.11134	0.01262	0.00399	11.33%	0.01073	0.00938	0.01425	9.64%	8.43%	12.80%	1.5192	0.01132	22.26%
529.00	1		153.21														
529.99	5	4	4.0000	5.2281	33.842	66.882	21.150	197.63%	5.2042	0.70711	5.2520	130.10%	17.68%	131.30%	7.4274	9.1880	26.63%
539.31	1		3.0500														
539.41	1		3.3703														
539.43	2	0															
539.52	1		1.8350														
539.53	3	3	3.3377	0.51128	3.3377	0.51128	0.20873	15.32%	0.35726	0.51724	0.62863	10.70%	15.50%	18.83%	1.2154	0.50010	13.34%
600.01	3	2	0.69000	0.97581												0.03333	
600.03	1		1.0000														
600.14	1		1.5500														
600.20	1		0.00000														
600.98	2	0															
601.23	2	0															
602.23	2	0															
603.23	1		0.00000														
604.23	1		0.00000														
610.01	1		0.77000														
610.05	1		615.00														
610.20	1		800.00														
610.23	2	0															
610.25	1		758.00														
620.01	1		300.00														
620.02	1		155.00														
620.04	1		400.00														
621.23	1		260.80														

Method Code	Total # Labs Submitting	# Labs Included in Calculations	Mean	SD	Assigned Value - Robust Mean	AAFCCO CS ffp - Robust sd	Uncertainty (U) - Robust	% RSD - Robust	Between Labs sL	Within Labs sr	Reproducibility sR	Between Labs %RSD	Within Labs %/rsd	Reproducibility %RSD	sR/sr	Average Range (R-bar)	Horwitz %RSD
622.23	1		90.000														
623.23	1		90.000														
630.03	1		3.2150														
630.20	1		0.00000														
630.23	1		0.00000														
640.01	3	3	59.727	50.062												12.920	
640.23	1		0.00000														
650.01	2	0															
650.04	1		164.86														
650.20	1		180.00														
650.21	1		168.00														
650.23	1		30.100														