

AAFCO Check Sample Program

All Methods Report

Sort by Method

Proficiency For Individual Methods

Sample # 201427

Calf Starter/Grower, Medicated



AAFCO

Check Sample Program

Issue Date : 08/31/2014

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		0.40000														
000.99	1		0.02000														
001.00	6	5	11.497	0.21159	11.418	0.24480	0.07067	2.14%	0.06295	0.28569	0.29254	0.55%	2.48%	2.54%	1.0240	0.24017	2.77%
001.03	10	10	11.276	0.23504	11.282	0.19334	0.04323	1.71%	0.23392	0.03248	0.23616	2.07%	0.29%	2.09%	7.2710	0.02717	2.78%
001.05	1		11.250														
001.07	34	30	11.261	0.24238	11.258	0.28068	0.03508	2.49%	0.23142	0.10191	0.25286	2.06%	0.90%	2.25%	2.4813	0.12162	2.78%
001.08	3	3	11.418	0.07286	11.418	0.07286	0.02974	0.64%		0.16253			1.42%			0.15667	2.77%
001.99	17	14	11.334	0.49868	11.278	0.53179	0.09401	4.72%	0.49765	0.04536	0.49971	4.39%	0.40%	4.41%	11.018	0.06125	2.78%
002.00	3	3	17.532	0.93863	17.532	0.93863	0.38320	5.35%	0.92362	0.23647	0.95341	5.27%	1.35%	5.44%	4.0319	0.30333	2.60%
002.01	15	13	17.325	0.25919	17.295	0.21027	0.03974	1.22%	0.25654	0.05230	0.26181	1.48%	0.30%	1.51%	5.0065	0.08714	2.60%
002.02	5	5	17.404	0.34928	17.404	0.34928	0.11045	2.01%	0.34274	0.09518	0.35571	1.97%	0.55%	2.04%	3.7372	0.10838	2.60%
002.04	5	5	17.506	0.17089	17.506	0.17089	0.05404	0.98%	0.15213	0.11009	0.18779	0.87%	0.63%	1.07%	1.7058	0.13600	2.60%
002.05	37	32	17.361	0.21044	17.353	0.16373	0.01957	0.94%	0.20782	0.04683	0.21303	1.20%	0.27%	1.23%	4.5486	0.06375	2.60%
002.06	131	121	17.554	0.29612	17.552	0.26372	0.01648	1.50%	0.28254	0.12536	0.30910	1.61%	0.71%	1.76%	2.4657	0.14120	2.60%
002.08	3	3	17.157	0.13519	17.157	0.13519	0.05519	0.79%	0.06096	0.17064	0.18120	0.36%	0.99%	1.06%	1.0619	0.17917	2.61%
002.10	1		17.365														
002.11	6	6	17.633	0.62580	17.536	0.49050	0.14160	2.80%	0.60275	0.23798	0.64803	3.42%	1.35%	3.68%	2.7231	0.26333	2.60%
002.99	3	3	17.375	0.02784	17.375	0.02784	0.01137	0.16%		0.07842			0.45%			0.09000	2.60%
003.00	18	16	4.1569	0.41078	4.1099	0.50181	0.08606	12.21%	0.40565	0.09147	0.41584	9.76%	2.20%	10.00%	4.5460	0.11470	3.23%
003.01	2	0															
003.06	20	17	3.9837	0.20958	3.9531	0.18101	0.02936	4.58%	0.20649	0.05064	0.21261	5.18%	1.27%	5.34%	4.1986	0.07258	3.25%
003.09	19	18	4.0354	0.19343	4.0435	0.17581	0.02852	4.35%	0.18800	0.06437	0.19871	4.66%	1.60%	4.92%	3.0871	0.06371	3.24%
003.10	29	26	3.6814	0.22230	3.6901	0.26630	0.03497	7.22%	0.21411	0.08455	0.23020	5.82%	2.30%	6.25%	2.7226	0.10105	3.29%
003.11	5	5	4.1640	0.58054	4.1640	0.58054	0.18358	13.94%	0.58006	0.03347	0.58102	13.93%	0.80%	13.95%	17.361	0.04000	3.23%
003.12	7	5	3.8571	0.11128	3.8876	0.14111	0.04073	3.63%	0.11113	0.00807	0.11143	2.88%	0.21%	2.89%	13.807	0.01705	3.26%
003.13	10	10	3.7995	0.29287	3.7905	0.23665	0.05292	6.24%	0.28595	0.08953	0.29964	7.53%	2.36%	7.89%	3.3469	0.10240	3.27%
003.14	38	35	3.8577	0.41551	3.8365	0.38479	0.04414	10.03%	0.40903	0.10338	0.42189	10.60%	2.68%	10.94%	4.0811	0.11729	3.27%

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003.99	2	0															
004.00	24	24	5.7617	0.34917	5.7714	0.32071	0.04629	5.56%	0.31537	0.21197	0.37998	5.47%	3.68%	6.59%	1.7926	0.19950	3.07%
004.01	1		5.9900														
004.03	5	4	6.4663	0.19897	6.1530	0.72133	0.22811	11.72%	0.19367	0.06452	0.20413	3.00%	1.00%	3.16%	3.1640	0.07000	3.04%
004.06	32	28	5.7133	0.21587	5.7069	0.14508	0.01843	2.54%	0.20722	0.08551	0.22418	3.63%	1.50%	3.92%	2.6215	0.13411	3.08%
004.07	61	56	5.4978	0.41120	5.4520	0.45502	0.04154	8.35%	0.39816	0.14527	0.42384	7.24%	2.64%	7.71%	2.9175	0.16628	3.10%
004.11	5	5	5.0270	1.5913	5.0270	1.5913	0.50323	31.66%	1.5910	0.04637	1.5917	31.65%	0.92%	31.66%	34.327	0.05400	3.14%
004.99	2	0															
005.00	101	94	7.4807	0.18586	7.4807	0.19314	0.01380	2.58%	0.17934	0.06901	0.19216	2.40%	0.92%	2.57%	2.7844	0.07494	2.95%
005.01	1		7.1000														
005.02	1		7.8500														
005.03	1		7.2500														
005.05	29	27	7.7634	0.12046	7.7610	0.09608	0.01284	1.24%	0.11794	0.03467	0.12293	1.52%	0.45%	1.58%	3.5457	0.03598	2.94%
005.11	5	5	7.7750	1.6993	7.7750	1.6993	0.53736	21.86%	1.6982	0.08550	1.7003	21.84%	1.10%	21.87%	19.887	0.10600	2.94%
005.99	11	10	7.7395	0.26561	7.7574	0.20688	0.04411	2.67%	0.26030	0.07473	0.27081	3.36%	0.97%	3.50%	3.6237	0.11000	2.94%
006.00	1		6.8000														
006.01	1		6.9950														
006.99	8	8	6.2681	1.2384	6.3187	1.2973	0.32432	20.53%	1.2331	0.16288	1.2438	19.67%	2.60%	19.84%	7.6361	0.17375	3.03%
008.02	15	15	7.7770	0.42510	7.6820	0.25347	0.04628	3.30%	0.40512	0.18211	0.44417	5.21%	2.34%	5.71%	2.4391	0.18333	2.94%
008.05	1		8.8500														
008.08	39	37	7.5802	0.35523	7.5745	0.32792	0.03713	4.33%	0.30838	0.24936	0.39658	4.07%	3.29%	5.23%	1.5904	0.27231	2.95%
008.99	1		7.8450														
009.04	1		19.185														
009.07	8	8	19.343	1.0761	19.314	1.0478	0.26194	5.43%	1.0299	0.44147	1.1205	5.32%	2.28%	5.79%	2.5381	0.47375	2.56%
009.09	35	35	18.817	0.67018	18.807	0.53421	0.06385	2.84%	0.61317	0.38253	0.72271	3.26%	2.03%	3.84%	1.8893	0.39816	2.57%
009.99	3	3	18.645	1.0059	18.645	1.0059	0.41064	5.39%	1.0015	0.13248	1.0102	5.37%	0.71%	5.42%	7.6257	0.13000	2.58%
010.03	3	3	11.942	0.62714	11.942	0.62714	0.25603	5.25%	0.59814	0.26661	0.65487	5.01%	2.23%	5.48%	2.4562	0.31000	2.75%
010.11	5	4	11.408	0.56916	11.167	0.72949	0.23069	6.53%	0.56884	0.02693	0.56948	4.99%	0.24%	4.99%	21.150	0.06600	2.78%
010.99	7	7	11.569	0.74491	11.349	0.32497	0.08685	2.86%	0.74189	0.09487	0.74793	6.41%	0.82%	6.47%	7.8839	0.09143	2.77%
011.01	74	68	12.637	0.52839	12.606	0.52463	0.04342	4.16%	0.52388	0.09739	0.53286	4.15%	0.77%	4.22%	5.4712	0.13899	2.73%
011.02	2	0															
011.03	2	0															
011.99	3	2	12.413	0.66822	12.275	0.52913	0.21602	4.31%	0.66817	0.01118	0.66826	5.38%	0.09%	5.38%	59.771	0.07667	2.74%
012.00	10	10	28.126	0.81395	28.179	0.81214	0.18160	2.88%	0.80740	0.14583	0.82046	2.87%	0.52%	2.92%	5.6263	0.15300	2.42%
012.01	7	7	26.570	1.7149	26.334	1.1952	0.31944	4.54%	1.6251	0.77438	1.8002	6.12%	2.91%	6.78%	2.3247	0.76753	2.44%
012.03	4	3	26.570	1.3604	26.490	1.1222	0.39677	4.24%	1.3600	0.04583	1.3608	5.12%	0.17%	5.12%	29.695	0.16000	2.44%
012.04	4	3	26.437	0.11846	26.994	1.1181	0.39531	4.14%		0.34843			1.32%			0.32575	2.44%
012.11	5	5	28.852	1.3800	28.852	1.3800	0.43639	4.78%	1.3369	0.48392	1.4218	4.63%	1.68%	4.93%	2.9380	0.59600	2.41%

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013.00	22	20	4.7770	0.62994	4.8172	0.63483	0.09796	13.18%	0.62473	0.11430	0.63510	13.08%	2.39%	13.30%	5.5564	0.13429	3.16%
013.02	24	22	5.3655	0.38193	5.3955	0.36542	0.05388	6.77%	0.36731	0.14798	0.39600	6.85%	2.76%	7.38%	2.6760	0.18585	3.10%
013.08	1		2.2250														
013.10	8	7	4.8064	0.31253	4.7200	0.42935	0.10734	9.10%	0.30568	0.09205	0.31924	6.36%	1.92%	6.64%	3.4681	0.09438	3.17%
013.12	2	0															
013.13	4	4	4.8050	1.1572	4.8050	1.1572	0.40915	24.08%	1.1504	0.17783	1.1641	23.94%	3.70%	24.23%	6.5457	0.21000	3.16%
014.99	1		26.270														
015.41	6	6	76.614	6.4357	77.145	6.1311	1.7699	7.95%	6.1737	2.5705	6.6875	8.06%	3.36%	8.73%	2.6017	3.2879	8.32%
015.42	1		67.500														
015.43	7	7	70.857	13.944	72.714	12.395	3.3127	17.05%	13.854	2.2302	14.032	19.55%	3.15%	19.80%	6.2919	2.7077	8.39%
015.53	2	0															
017.41	2	0															
017.42	4	3	7.7767	0.22374	8.7125	1.8806	0.66488	21.58%		0.32223			4.14%			0.39000	11.55%
017.43	7	5	5.1880	3.5520	6.9725	2.1388	0.61742	30.67%	3.5518	0.04754	3.5521	68.46%	0.92%	68.47%	74.720	0.12667	11.94%
017.53	1		8.5000														
019.00	19	17	1.2030	0.08019	1.1963	0.07086	0.01181	5.92%	0.07937	0.01617	0.08100	6.60%	1.34%	6.73%	5.0107	0.01955	3.89%
019.02	1		1.0650														
019.03	1		1.2500														
019.08	10	9	1.2013	0.06603	1.1906	0.07315	0.01636	6.14%	0.06593	0.00522	0.06614	5.49%	0.43%	5.51%	12.679	0.00784	3.90%
019.09	1		1.0820														
019.31	29	26	1.1599	0.06144	1.1628	0.05135	0.00686	4.42%	0.06048	0.01531	0.06239	5.21%	1.32%	5.38%	4.0752	0.01831	3.91%
019.32	5	5	1.2189	0.03336	1.2189	0.03336	0.01055	2.74%	0.03265	0.00968	0.03405	2.68%	0.79%	2.79%	3.5169	0.01094	3.88%
019.41	39	35	1.1724	0.05700	1.1877	0.03500	0.00396	2.95%	0.05479	0.02223	0.05912	4.67%	1.90%	5.04%	2.6598	0.02904	3.90%
019.42	19	17	1.2075	0.05763	1.2107	0.05952	0.00992	4.92%	0.05543	0.02232	0.05975	4.59%	1.85%	4.95%	2.6767	0.02987	3.89%
019.43	19	17	1.1777	0.08177	1.1763	0.06663	0.01111	5.66%	0.08067	0.01888	0.08285	6.85%	1.60%	7.03%	4.3871	0.02477	3.90%
019.44	2	0															
019.52	2	0															
019.53	3	3	1.1873	0.04472	1.1873	0.04472	0.01826	3.77%	0.02884	0.04834	0.05629	2.43%	4.07%	4.74%	1.1645	0.05353	3.90%
019.99	6	6	1.1053	0.10630	1.0838	0.07632	0.02203	7.04%	0.09876	0.05564	0.11335	8.93%	5.03%	10.25%	2.0374	0.06200	3.95%
021.00	1		0.98250														
021.31	1		1.4500														
021.34	1		1.4950														
021.41	4	4	1.2264	0.30362	1.2264	0.30362	0.10734	24.76%	0.30228	0.04023	0.30495	24.65%	3.28%	24.87%	7.5794	0.04970	15.51%
021.42	2	0															
021.43	6	5	1.3370	0.19646	1.3327	0.16550	0.04778	12.42%	0.18881	0.07675	0.20381	14.12%	5.74%	15.24%	2.6557	0.07167	15.32%
021.52	2	0															
021.53	5	5	1.2984	0.13613	1.2984	0.13613	0.04305	10.48%	0.12469	0.07725	0.14668	9.60%	5.95%	11.30%	1.8988	0.07200	15.38%
022.31	16	15	24.769	2.3917	24.454	2.6473	0.46797	10.83%	2.3163	0.84210	2.4647	9.35%	3.40%	9.95%	2.9268	0.75563	9.89%

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022.32	4	4	23.275	9.0878	23.275	9.0878	3.2130	39.05%	9.0672	0.86448	9.1083	38.96%	3.71%	39.13%	10.536	0.98500	9.96%
022.33	1		25.875														
022.41	25	24	23.538	2.1510	23.529	2.0192	0.28556	8.58%	1.9782	1.1946	2.3109	8.40%	5.08%	9.82%	1.9345	1.5732	9.94%
022.42	18	17	25.363	1.8749	25.504	1.9407	0.32345	7.61%	1.6630	1.2245	2.0652	6.56%	4.83%	8.14%	1.6865	1.6233	9.83%
022.43	17	16	24.408	1.9437	23.908	1.6505	0.28306	6.90%	1.8320	0.91807	2.0492	7.51%	3.76%	8.40%	2.2321	0.87529	9.92%
022.44	1		23.700														
022.52	1		26.000														
022.53	5	5	24.233	1.1469	24.233	1.1469	0.36269	4.73%	0.45786	1.4871	1.5560	1.89%	6.14%	6.42%	1.0463	1.5980	9.90%
022.99	2	0															
025.31	16	15	220.46	34.928	218.51	27.899	5.0937	12.77%	34.848	3.3476	35.008	15.81%	1.52%	15.88%	10.458	3.6467	7.11%
025.32	4	4	255.51	95.062	255.51	95.062	33.609	37.20%	95.020	3.9872	95.104	37.19%	1.56%	37.22%	23.852	3.7025	6.95%
025.33	1		224.46														
025.41	27	26	210.39	13.913	209.72	12.529	1.7375	5.97%	13.018	6.9422	14.754	6.19%	3.30%	7.01%	2.1252	7.3770	7.16%
025.42	18	16	194.45	23.676	193.40	13.230	2.2690	6.84%	23.304	5.9090	24.042	11.98%	3.04%	12.36%	4.0687	6.4594	7.24%
025.43	17	14	203.28	16.467	202.48	16.451	2.9081	8.12%	16.409	1.9491	16.524	8.07%	0.96%	8.13%	8.4780	2.9531	7.19%
025.52	2	0															
025.53	3	2	157.75	73.893	184.77	70.145	28.637	37.96%	73.892	0.50000	73.894	46.84%	0.32%	46.84%	147.79	22.633	7.29%
025.99	2	0															
027.31	17	14	0.34404	0.03416	0.33839	0.01528	0.00270	4.52%	0.03404	0.00401	0.03428	9.89%	1.17%	9.96%	8.5426	0.00463	4.71%
027.32	5	4	0.33785	0.00946	7.2703	15.501	4.9020	213.22%	0.00899	0.00418	0.00991	2.66%	1.24%	2.93%	2.3734	0.40388	2.97%
027.33	1		0.36500														
027.34	1		0.33500														
027.41	27	26	0.34588	0.01745	0.34575	0.01603	0.00218	4.64%	0.01640	0.00845	0.01845	4.74%	2.44%	5.33%	2.1826	0.00870	4.69%
027.42	19	19	0.34522	0.01383	0.34497	0.01439	0.00233	4.17%	0.01267	0.00784	0.01490	3.67%	2.27%	4.32%	1.9013	0.00796	4.69%
027.43	15	13	0.33950	0.01486	0.34057	0.00943	0.00178	2.77%	0.01463	0.00372	0.01510	4.31%	1.09%	4.45%	4.0623	0.00464	4.70%
027.44	2	0															
027.52	1		0.30545														
027.53	3	2	0.32885	0.02666	0.33323	0.02032	0.00830	6.10%	0.02666	0.00040	0.02666	8.11%	0.12%	8.11%	66.649	0.01133	4.72%
027.99	3	3	0.29667	0.09088	0.29667	0.09088	0.03710	30.63%	0.09078	0.00577	0.09097	30.60%	1.95%	30.66%	15.756	0.00667	4.80%
028.31	15	14	125.96	6.7061	125.06	6.2667	1.1441	5.01%	6.5522	2.0202	6.8565	5.20%	1.60%	5.44%	3.3940	2.4860	7.73%
028.32	4	4	128.18	3.0012	128.18	3.0012	1.0611	2.34%	2.6413	2.0156	3.3225	2.06%	1.57%	2.59%	1.6484	2.3500	7.71%
028.33	1		115.12														
028.41	26	26	125.55	6.1054	125.51	6.0936	0.84504	4.86%	5.5096	3.7203	6.6480	4.39%	2.96%	5.30%	1.7870	4.1525	7.73%
028.42	20	18	128.60	6.9432	127.48	8.4676	1.3388	6.64%	6.3394	4.0050	7.4986	4.93%	3.11%	5.83%	1.8723	5.0510	7.71%
028.43	17	16	125.43	7.0620	124.76	8.3375	1.4299	6.68%	6.8616	2.3621	7.2568	5.47%	1.88%	5.79%	3.0722	2.5035	7.74%
028.44	2	0															
028.52	1		120.00														
028.53	4	4	137.51	21.403	137.51	21.403	7.5670	15.56%	20.997	5.8624	21.800	15.27%	4.26%	15.85%	3.7187	6.5150	7.62%

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
028.99	2	0															
031.00	2	0															
031.01	53	47	0.69640	0.02470	0.69720	0.02227	0.00223	3.19%	0.02413	0.00749	0.02526	3.46%	1.07%	3.63%	3.3747	0.00861	4.22%
031.02	4	3	0.70120	0.00827	0.69965	0.00743	0.00263	1.06%	0.00826	0.00024	0.00827	1.18%	0.03%	1.18%	33.752	0.00265	4.22%
031.03	4	3	0.69118	0.02987	17.893	34.404	12.164	192.27%	0.02917	0.00913	0.03056	4.22%	1.32%	4.42%	3.3481	0.25753	2.59%
031.06	2	0															
031.41	35	33	0.70217	0.03737	0.70360	0.03305	0.00401	4.70%	0.03592	0.01460	0.03877	5.12%	2.08%	5.52%	2.6561	0.01574	4.22%
031.42	21	19	0.69850	0.01753	0.69909	0.01652	0.00255	2.36%	0.01476	0.01338	0.01992	2.11%	1.92%	2.85%	1.4886	0.02006	4.22%
031.43	19	17	0.70040	0.04393	0.70586	0.03802	0.00634	5.39%	0.04247	0.01586	0.04534	6.06%	2.26%	6.47%	2.8591	0.01774	4.22%
031.44	3	3	0.69383	0.00275	0.69383	0.00275	0.00112	0.40%		0.01565			2.26%			0.01900	4.23%
031.52	1		0.64890														
031.53	4	4	0.69938	0.04046	0.69938	0.04046	0.01431	5.79%	0.03924	0.01395	0.04165	5.61%	1.99%	5.95%	2.9862	0.01505	4.22%
031.99	7	6	0.70250	0.03896	0.68714	0.03355	0.00897	4.88%	0.03759	0.01443	0.04027	5.35%	2.05%	5.73%	2.7900	0.01857	4.23%
032.02	3	3	1.2420	0.08612	1.2420	0.08612	0.03516	6.93%	0.08365	0.02897	0.08852	6.74%	2.33%	7.13%	3.0556	0.02867	3.87%
032.08	1		1.1325														
032.31	19	18	1.2656	0.11324	1.2630	0.10164	0.01649	8.05%	0.11288	0.01269	0.11359	8.92%	1.00%	8.98%	8.9525	0.01484	3.86%
032.32	3	3	1.2820	0.09493	1.2820	0.09493	0.03876	7.40%	0.09464	0.01046	0.09522	7.38%	0.82%	7.43%	9.1064	0.01200	3.85%
032.41	26	23	1.2442	0.05204	1.2488	0.05806	0.00821	4.65%	0.04862	0.02623	0.05524	3.91%	2.11%	4.44%	2.1064	0.02987	3.87%
032.42	20	17	1.3019	0.06454	1.2894	0.05179	0.00840	4.02%	0.06321	0.01845	0.06584	4.85%	1.42%	5.06%	3.5682	0.02401	3.85%
032.43	14	13	1.2187	0.07400	1.2267	0.06756	0.01325	5.51%	0.07281	0.01867	0.07517	5.97%	1.53%	6.17%	4.0265	0.02038	3.88%
032.44	3	3	1.2317	0.05299	1.2317	0.05299	0.02163	4.30%	0.04865	0.02972	0.05701	3.95%	2.41%	4.63%	1.9181	0.03667	3.88%
032.52	1		1.1489														
032.53	4	3	1.2641	0.05623	1.2870	0.06477	0.02290	5.03%	0.05616	0.00411	0.05631	4.44%	0.33%	4.45%	13.695	0.02655	3.85%
032.99	3	3	1.1533	0.11815	1.1533	0.11815	0.04823	10.24%	0.11680	0.02517	0.11948	10.13%	2.18%	10.36%	4.7476	0.03333	3.91%
033.00	24	21	0.85250	0.05812	0.85814	0.06750	0.01018	7.87%	0.05774	0.00945	0.05850	6.77%	1.11%	6.86%	6.1897	0.01693	4.09%
033.01	36	33	0.93448	0.04386	0.93561	0.04268	0.00510	4.56%	0.04305	0.01188	0.04466	4.61%	1.27%	4.78%	3.7582	0.01449	4.04%
033.03	3	2	0.77000	0.05657	0.76667	0.04041	0.01650	5.27%	0.05657	0.00000	0.05657	7.35%	0.00%	7.35%		0.00667	4.16%
033.05	3	3	0.96167	0.07848	0.96167	0.07848	0.03204	8.16%	0.07627	0.02614	0.08062	7.93%	2.72%	8.38%	3.0842	0.03000	4.02%
033.99	5	5	0.91750	0.11418	0.91750	0.11418	0.03611	12.44%	0.11163	0.03397	0.11668	12.17%	3.70%	12.72%	3.4346	0.03820	4.05%
034.01	2	0															
034.04	7	6	0.59175	0.11418	0.57520	0.09078	0.02621	15.78%	0.11299	0.02332	0.11537	19.09%	3.94%	19.50%	4.9474	0.02950	17.39%
034.41	1		0.50400														
034.42	1		2.5800														
034.43	3	3	0.50167	0.06110	0.50167	0.06110	0.02494	12.18%	0.05454	0.03894	0.06702	10.87%	7.76%	13.36%	1.7209	0.04333	17.75%
034.52	3	3	0.69267	0.13267	0.69267	0.13267	0.05416	19.15%	0.13121	0.02776	0.13411	18.94%	4.01%	19.36%	4.8311	0.03067	16.91%
034.53	7	7	0.65986	0.23185	0.62822	0.19065	0.05095	30.35%	0.22396	0.08480	0.23948	33.94%	12.85%	36.29%	2.8239	0.08543	17.16%
034.99	2	0															
035.01	3	3	0.34150	0.01802	0.34150	0.01802	0.00736	5.28%	0.01794	0.00235	0.01810	5.25%	0.69%	5.30%	7.7166	0.00300	4.70%

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
035.02	1		0.37000														
035.05	9	8	0.35746	0.01403	0.35368	0.01473	0.00347	4.16%	0.01224	0.00969	0.01561	3.42%	2.71%	4.37%	1.6117	0.01167	4.68%
035.31	21	19	0.36048	0.02140	0.35978	0.01715	0.00278	4.77%	0.02086	0.00677	0.02193	5.79%	1.88%	6.08%	3.2388	0.00666	4.66%
035.32	4	3	0.35152	0.05866	9.3886	18.074	6.3902	192.51%	0.05858	0.00410	0.05873	16.67%	1.17%	16.71%	14.324	0.25278	2.86%
035.41	32	31	0.36135	0.02073	0.36005	0.01495	0.00187	4.15%	0.01914	0.01125	0.02221	5.30%	3.11%	6.15%	1.9738	0.01238	4.66%
035.42	19	17	0.36521	0.01357	0.36354	0.01044	0.00174	2.87%	0.01021	0.01265	0.01626	2.80%	3.46%	4.45%	1.2850	0.01254	4.66%
035.43	13	11	0.35500	0.01096	0.35371	0.01266	0.00248	3.58%	0.01029	0.00535	0.01160	2.90%	1.51%	3.27%	2.1670	0.01089	4.68%
035.52	1		0.32600														
035.53	4	3	0.34805	0.00727	0.34721	0.00617	0.00218	1.78%	0.00713	0.00200	0.00741	2.05%	0.57%	2.13%	3.7042	0.00863	4.69%
035.99	3	3	0.57333	0.39212	0.57333	0.39212	0.16008	68.39%	0.39150	0.03109	0.39274	68.29%	5.42%	68.50%	12.632	0.03333	4.35%
036.04	4	4	0.37053	0.03320	0.37053	0.03320	0.01174	8.96%	0.03198	0.01261	0.03438	8.63%	3.40%	9.28%	2.7252	0.01445	4.64%
036.42	18	17	0.37323	0.02002	0.37358	0.01632	0.00272	4.37%	0.01820	0.01178	0.02168	4.88%	3.16%	5.81%	1.8400	0.01249	4.64%
036.43	9	7	0.37007	0.01042	0.36632	0.01086	0.00271	2.96%	0.00638	0.01165	0.01328	1.72%	3.15%	3.59%	1.1399	0.01138	4.65%
036.53	1		0.34000														
036.99	2	0															
037.31	17	15	137.86	7.4869	139.74	6.6898	1.1826	4.79%	7.3017	2.3403	7.6676	5.30%	1.70%	5.56%	3.2763	2.8656	7.61%
037.32	4	4	140.04	4.7804	140.04	4.7804	1.6901	3.41%	4.2053	3.2150	5.2934	3.00%	2.30%	3.78%	1.6465	4.1750	7.60%
037.33	1		141.09														
037.41	26	25	140.11	9.6656	140.60	8.6257	1.1962	6.13%	9.3931	3.2229	9.9306	6.70%	2.30%	7.09%	3.0812	4.2749	7.60%
037.42	19	17	144.00	10.102	144.56	6.9048	1.1201	4.78%	8.8185	6.9679	11.239	6.12%	4.84%	7.81%	1.6130	8.2647	7.57%
037.43	18	15	139.17	8.0569	137.46	10.092	1.7308	7.34%	7.8848	2.3422	8.2253	5.67%	1.68%	5.91%	3.5118	2.9947	7.62%
037.44	1		139.50														
037.52	1		155.00														
037.53	4	4	138.45	21.320	138.45	21.320	7.5377	15.40%	21.047	4.8043	21.589	15.20%	3.47%	15.59%	4.4937	5.2275	7.62%
037.99	3	2	127.75	0.35355	135.33	13.137	5.3632	9.71%		1.8028			1.41%			4.0000	7.64%
038.41	2	0															
038.42	4	3	1.3502	0.14770	1.5751	0.46580	0.16468	29.57%	0.13936	0.06920	0.15559	10.32%	5.13%	11.52%	2.2486	0.34575	14.94%
038.43	7	6	1.5925	0.22781	1.5193	0.19705	0.05266	12.97%	0.09171	0.29492	0.30884	5.76%	18.52%	19.39%	1.0472	0.26143	15.02%
038.52	2	0															
038.53	5	5	1.5388	0.20487	1.5388	0.20487	0.06479	13.31%	0.19725	0.07830	0.21222	12.82%	5.09%	13.79%	2.7103	0.08440	14.99%
040.42	1		10.585														
040.43	1		10.650														
040.52	1		10.000														
040.53	1		9.5590														
041.43	1		0.00000														
041.53	1		0.63200														
042.00	2	0															
042.99	1		0.51000														

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
054.00	1		51.650														
054.01	8	8	35.061	0.93292	35.098	0.92563	0.23141	2.64%	0.87306	0.46495	0.98915	2.49%	1.33%	2.82%	2.1274	0.47875	9.36%
054.02	5	5	35.923	2.4551	35.923	2.4551	0.77636	6.83%	2.0161	1.9812	2.8266	5.61%	5.52%	7.87%	1.4267	1.8348	9.33%
054.99	1		31.800														
057.00	1		0.14000														
057.01	1		0.16500														
101.01	2	0															
102.01	1		84.150														
103.01	1		25.900														
104.00	2	0															
104.03	1		8.9550														
105.00	1		4.3650														
106.00	1		8.0850														
106.01	1		13.450														
106.02	19	19	12.849	6.6667	12.901	5.5416	0.89897	42.95%	6.5878	1.4467	6.7448	51.27%	11.26%	52.49%	4.6621	1.5127	27.33%
107.00	1		28.400														
108.01	2	0															
108.02	5	4	3.2700	0.85179	5.0420	4.0304	1.2745	79.94%	0.84351	0.16756	0.85999	25.80%	5.12%	26.30%	5.1326	0.29600	31.49%
108.99	1		4.0700														
109.02	22	20	90.731	16.831	91.686	15.963	2.4632	17.41%	16.771	2.0040	16.890	18.48%	2.21%	18.62%	8.4283	2.6689	8.10%
109.99	1		53.900														
113.01	1		1.1400														
114.01	1		0.30050														
120.00	13	11	0.82254	0.01342	0.82540	0.01537	0.00314	1.86%	0.01226	0.00774	0.01450	1.49%	0.94%	1.76%	1.8723	0.00895	4.12%
120.01	3	3	0.80900	0.01473	0.80900	0.01473	0.00601	1.82%	0.01046	0.01467	0.01802	1.29%	1.81%	2.23%	1.2279	0.01933	4.13%
120.02	2	0															
120.05	4	4	0.74650	0.02867	0.74650	0.02867	0.01014	3.84%	0.02679	0.01445	0.03044	3.59%	1.94%	4.08%	2.1068	0.01650	4.18%
121.00	13	11	1.2435	0.03333	1.2363	0.03198	0.00627	2.59%	0.03266	0.00936	0.03398	2.63%	0.75%	2.73%	3.6301	0.01445	3.87%
121.01	3	3	1.2578	0.06989	1.2578	0.06989	0.02853	5.56%	0.06813	0.02206	0.07161	5.42%	1.75%	5.69%	3.2457	0.02700	3.86%
121.02	2	0															
121.05	4	4	1.1788	0.10097	1.1788	0.10097	0.03570	8.57%	0.09302	0.05553	0.10834	7.89%	4.71%	9.19%	1.9508	0.05553	3.90%
122.00	14	12	1.5630	0.03129	1.5684	0.03790	0.00743	2.42%	0.03023	0.01137	0.03230	1.93%	0.73%	2.07%	2.8404	0.01892	3.74%
122.01	2	0															
122.02	2	0															
122.05	4	4	1.5293	0.07641	1.5293	0.07641	0.02702	5.00%	0.05948	0.06784	0.09022	3.89%	4.44%	5.90%	1.3299	0.08450	3.75%
124.00	14	12	0.31245	0.01280	0.31457	0.01550	0.00304	4.93%	0.01239	0.00452	0.01319	3.97%	1.45%	4.22%	2.9215	0.00412	4.76%
124.01	1		0.29150														
124.02	3	3	0.31398	0.02945	0.31398	0.02945	0.01202	9.38%	0.02645	0.01831	0.03217	8.42%	5.83%	10.25%	1.7565	0.02117	4.76%

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
124.05	1		0.41000														
124.99	1		0.21300														
125.00	14	14	3.1782	0.06806	3.1747	0.05737	0.01084	1.81%	0.06658	0.01993	0.06950	2.09%	0.63%	2.19%	3.4878	0.02283	3.36%
125.01	3	3	3.3078	0.06226	3.3078	0.06226	0.02542	1.88%	0.06113	0.01666	0.06336	1.85%	0.50%	1.92%	3.8037	0.02300	3.34%
125.02	2	0															
125.05	4	4	3.0089	0.09957	3.0089	0.09957	0.03520	3.31%	0.07854	0.08655	0.11688	2.61%	2.88%	3.88%	1.3504	0.10375	3.39%
126.00	14	14	0.77190	0.01334	0.77233	0.01413	0.00267	1.83%	0.01252	0.00652	0.01412	1.62%	0.85%	1.83%	2.1643	0.00739	4.16%
126.01	3	3	0.78847	0.00850	0.78847	0.00850	0.00347	1.08%		0.02034			2.58%			0.02680	4.15%
126.02	2	0															
126.05	4	4	0.75325	0.02802	0.75325	0.02802	0.00991	3.72%	0.02707	0.01022	0.02893	3.59%	1.36%	3.84%	2.8304	0.01150	4.17%
127.00	14	14	0.45016	0.01641	0.44855	0.01479	0.00280	3.30%	0.01535	0.00820	0.01740	3.41%	1.82%	3.87%	2.1214	0.01006	4.51%
127.01	1		0.40300														
127.02	2	0															
127.05	4	4	0.43575	0.02109	0.43575	0.02109	0.00746	4.84%	0.01745	0.01676	0.02420	4.00%	3.85%	5.55%	1.4434	0.02000	4.53%
128.00	14	12	0.62156	0.01973	0.61919	0.02082	0.00408	3.36%	0.01902	0.00745	0.02042	3.06%	1.20%	3.29%	2.7422	0.01025	4.30%
128.01	3	3	0.59450	0.02725	0.59450	0.02725	0.01113	4.58%	0.02234	0.02208	0.03141	3.76%	3.71%	5.28%	1.4225	0.02567	4.33%
128.02	2	0															
128.05	4	4	0.60738	0.03774	0.60738	0.03774	0.01334	6.21%	0.03587	0.01660	0.03953	5.91%	2.73%	6.51%	2.3809	0.02025	4.31%
129.00	14	13	1.2143	0.03400	1.2111	0.02982	0.00585	2.46%	0.03372	0.00625	0.03429	2.78%	0.51%	2.82%	5.4849	0.00727	3.89%
129.01	3	3	1.2266	0.05360	1.2266	0.05360	0.02188	4.37%	0.05119	0.02249	0.05591	4.17%	1.83%	4.56%	2.4861	0.02470	3.88%
129.02	2	0															
129.05	4	4	1.1504	0.05016	1.1504	0.05016	0.01773	4.36%	0.04626	0.02742	0.05377	4.02%	2.38%	4.67%	1.9613	0.03525	3.92%
130.00	14	13	0.76134	0.02275	0.76462	0.02843	0.00537	3.72%	0.02165	0.00989	0.02380	2.84%	1.30%	3.13%	2.4071	0.01081	4.16%
130.01	3	3	0.74200	0.04085	0.74200	0.04085	0.01668	5.51%	0.03901	0.01715	0.04262	5.26%	2.31%	5.74%	2.4844	0.02160	4.18%
130.02	2	0															
130.05	5	5	0.76510	0.04666	0.76510	0.04666	0.01476	6.10%	0.04088	0.03182	0.05181	5.34%	4.16%	6.77%	1.6281	0.03540	4.16%
131.00	13	13	0.26331	0.01680	0.25966	0.00914	0.00179	3.52%	0.01592	0.00762	0.01765	6.04%	2.89%	6.70%	2.3151	0.00868	4.90%
131.01	2	0															
131.02	3	2	0.27000	0.00000	0.26492	0.00880	0.00359	3.32%		0.02000			7.41%			0.01577	4.88%
131.05	2	0															
131.99	1		0.17000														
132.00	14	14	0.78906	0.01664	0.78847	0.01757	0.00332	2.23%	0.01262	0.01533	0.01986	1.60%	1.94%	2.52%	1.2950	0.01600	4.15%
132.01	3	2	0.74050	0.00071	0.76933	0.04994	0.02039	6.49%		0.03007			4.06%			0.02533	4.16%
132.02	2	0															
132.05	4	4	0.76713	0.03478	0.76713	0.03478	0.01230	4.53%	0.03265	0.01696	0.03679	4.26%	2.21%	4.80%	2.1693	0.02275	4.16%
133.00	13	13	0.94362	0.03832	0.94721	0.02971	0.00583	3.14%	0.03583	0.01921	0.04065	3.80%	2.04%	4.31%	2.1162	0.01923	4.03%
133.05	4	4	0.93250	0.04257	0.93250	0.04257	0.01505	4.57%	0.04041	0.01895	0.04463	4.33%	2.03%	4.79%	2.3548	0.02200	4.04%
133.99	2	0															

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134.00	14	12	0.78311	0.01918	0.78181	0.01677	0.00329	2.14%	0.01802	0.00926	0.02026	2.30%	1.18%	2.59%	2.1877	0.01315	4.15%
134.01	3	3	0.82217	0.03871	0.82217	0.03871	0.01580	4.71%	0.03802	0.01034	0.03940	4.62%	1.26%	4.79%	3.8115	0.01300	4.12%
134.02	2	0															
134.05	4	4	0.75050	0.04730	0.75050	0.04730	0.01672	6.30%	0.04665	0.01109	0.04795	6.22%	1.48%	6.39%	4.3235	0.01300	4.18%
135.00	13	11	0.59455	0.01638	0.59812	0.01542	0.00302	2.58%	0.01551	0.00746	0.01721	2.61%	1.25%	2.89%	2.3076	0.01152	4.32%
135.01	3	3	0.61717	0.04320	0.61717	0.04320	0.01764	7.00%	0.04275	0.00880	0.04364	6.93%	1.43%	7.07%	4.9577	0.00967	4.30%
135.02	2	0															
135.05	4	4	0.57025	0.02477	0.57025	0.02477	0.00876	4.34%	0.02326	0.01204	0.02619	4.08%	2.11%	4.59%	2.1752	0.01600	4.35%
136.00	4	4	0.22175	0.03452	0.22175	0.03452	0.01221	15.57%	0.03375	0.01023	0.03527	15.22%	4.62%	15.91%	3.4463	0.01000	5.02%
136.01	4	3	0.22583	0.01957	0.22125	0.01842	0.00651	8.33%	0.01954	0.00147	0.01960	8.65%	0.65%	8.68%	13.316	0.00450	5.02%
136.02	2	0															
136.03	3	3	0.22567	0.00076	0.22567	0.00076	0.00031	0.34%		0.00428			1.90%			0.00467	5.00%
136.99	1		0.22000														
137.00	10	8	0.52936	0.03906	0.52284	0.03957	0.00885	7.57%	0.03884	0.00587	0.03928	7.34%	1.11%	7.42%	6.6924	0.00806	4.41%
137.01	2	0															
137.02	2	0															
137.05	4	4	0.46688	0.05096	0.46688	0.05096	0.01802	10.91%	0.05051	0.00952	0.05140	10.82%	2.04%	11.01%	5.3994	0.01275	4.49%
138.00	14	13	0.78788	0.02257	0.78462	0.02820	0.00533	3.59%	0.02171	0.00871	0.02339	2.76%	1.11%	2.97%	2.6852	0.01163	4.15%
138.01	3	3	0.78950	0.06130	0.78950	0.06130	0.02503	7.76%	0.05872	0.02492	0.06379	7.44%	3.16%	8.08%	2.5600	0.03367	4.14%
138.02	2	0															
138.05	4	4	0.78225	0.07165	0.78225	0.07165	0.02533	9.16%	0.07045	0.01845	0.07283	9.01%	2.36%	9.31%	3.9467	0.02050	4.15%
139.00	2	0															
139.02	1		0.00000														
160.99	7	6	0.86458	0.11453	0.88393	0.13200	0.03528	14.93%	0.11400	0.01549	0.11505	13.19%	1.79%	13.31%	7.4250	0.02871	4.07%
161.99	2	0															
162.99	7	6	0.80383	0.27365	0.80757	0.28351	0.07577	35.11%	0.27247	0.03590	0.27483	33.90%	4.47%	34.19%	7.6543	0.06200	4.13%
163.99	4	0			0.00000	0.00000	0.00000										#DIV/0!
164.99	4	3	0.05017	0.08689	0.19850	0.30503	0.10785	153.67%	0.08688	0.00204	0.08690	173.18%	4.07%	173.23%	42.574	0.02250	5.10%
165.99	7	6	2.3727	0.25052	2.4076	0.25550	0.06829	10.61%	0.24944	0.03292	0.25160	10.51%	1.39%	10.60%	7.6430	0.05314	3.50%
166.99	1		0.96600														
167.99	1		1.1605														
200.99	1		0.00000														
210.99	1		2.4650														
357.99	1		0.27500														
400.01	3	2	0.63298	0.00421	0.63282	0.00299	0.00122	0.47%	0.00421	0.00005	0.00421	0.66%	0.01%	0.66%	84.149	0.00037	#DIV/0!
516.00	3	3	0.09218	0.02011	0.09218	0.02011	0.00821	21.81%	0.01979	0.00500	0.02042	21.47%	5.43%	22.15%	4.0805	0.00603	22.90%
516.43	1		0.00000														
516.52	1		0.21100														

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516.53	6	5	0.10056	0.01963	0.10298	0.02025	0.00585	19.67%	0.01907	0.00663	0.02019	18.96%	6.59%	20.07%	3.0466	0.01407	22.52%
518.34	2	0															
518.41	3	2	0.05250	0.00354	0.05525	0.00538	0.00220	9.74%	0.00354	0.00000	0.00354	6.73%	0.00%	6.73%		0.00550	24.73%
518.42	1		0.06350														
518.43	2	0															
518.52	1		0.06500														
518.53	8	7	0.05719	0.00770	0.05848	0.00862	0.00215	14.74%	0.00751	0.00239	0.00788	13.13%	4.19%	13.78%	3.2914	0.00373	24.52%
520.31	1		4.0450														
520.41	2	0															
520.43	3	3	2.9633	2.5730	2.9633	2.5730	1.0504	86.83%	2.5726	0.06583	2.5734	86.81%	2.22%	86.84%	39.093	0.07333	13.58%
520.52	1		3.4000														
520.53	4	4	3.1898	1.5519	3.1898	1.5519	0.54868	48.65%	1.5448	0.20920	1.5589	48.43%	6.56%	48.87%	7.4519	0.22950	13.43%
520.99	1		3.7985														
526.31	1		0.00000														
526.34	2	0															
526.41	1		0.00500														
526.43	2	0															
526.52	2	0															
526.53	7	7	0.09050	0.01647	0.09050	0.01867	0.00499	20.63%	0.01619	0.00429	0.01674	17.88%	4.74%	18.50%	3.9038	0.00494	22.96%
529.00	1		0.00000														
529.99	3	2	0.00000	0.00000	1.5000	2.5981	1.0607	173.21%	0.00000	0.00000	0.00000					0.33333	15.05%
539.41	1		2.6813														
539.43	1		0.00000														
539.52	1		3.1500														
539.53	3	3	2.6905	0.55931	2.6905	0.55931	0.22834	20.79%	0.55078	0.13764	0.56771	20.47%	5.12%	21.10%	4.1248	0.13300	13.78%
600.01	2	0															
600.03	1		0.50000														
600.20	1		0.00000														
610.01	1		550.00														
620.01	1		200.00														
620.04	1		475.00														
630.01	1		0.00000														
640.01	2	0															
650.01	1		103.50														