

AAFCO Check Sample Program

All Methods Report

Sort by Method

Proficiency For Individual Methods

Sample # 201232

Calf Sarter/Grower, Medicated



AAFCO

CHECK SAMPLE PROGRAM

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 sI	Reproducibility sR	Between Labs %RSD	Within Labs %rsd	Reproducibility %RSD	sR/sr	Average Range (R-bar)	Horwitz %RSD
000.99	1		0.00500														
001.00	6	5	10.252	0.58510	10.252	0.58510	0.18503	5.71%	0.58167	0.08944	0.58851	5.67%	0.87%	5.74%	6.5798	0.09600	2.82%
001.03	19	17	10.206	0.49872	10.103	0.12900	0.02212	1.28%	0.12687	0.00882	0.12718	1.26%	0.09%	1.26%	14.412	0.01624	2.82%
001.05	1		9.8100														
001.07	40	39	9.8177	0.41103	9.8659	0.30683	0.03474	3.11%	0.32073	0.05963	0.32623	3.26%	0.61%	3.32%	5.4711	0.08021	2.83%
001.08	3	3	10.192	0.11004	10.192	0.11004	0.04492	1.08%	0.10863	0.02483	0.11143	1.07%	0.24%	1.09%	4.4872	0.02333	2.82%
001.99	18	16	9.9188	0.78151	9.9739	0.53722	0.09497	5.39%	0.49955	0.04335	0.50143	4.94%	0.43%	4.95%	11.566	0.04988	2.83%
002.00	6	6	17.947	0.52656	17.915	0.53409	0.15418	2.98%	0.51648	0.14503	0.53645	2.88%	0.81%	2.99%	3.6990	0.15667	2.59%
002.01	12	12	17.819	0.24179	17.793	0.22057	0.04502	1.24%	0.22880	0.11054	0.25411	1.28%	0.62%	1.43%	2.2989	0.12617	2.59%
002.02	7	7	17.697	0.45536	17.740	0.40750	0.10891	2.30%	0.45114	0.08749	0.45954	2.55%	0.49%	2.60%	5.2527	0.11107	2.59%
002.03	1		17.700														
002.04	7	7	17.901	0.72548	17.802	0.52142	0.13936	2.93%	0.79119	0.08282	0.79551	4.42%	0.46%	4.44%	9.6059	0.14857	2.59%
002.05	48	47	17.785	0.22211	17.787	0.16728	0.01725	0.94%	0.18903	0.06054	0.19848	1.06%	0.34%	1.12%	3.2785	0.07136	2.59%
002.06	229	145	18.097	0.30175	18.098	0.28597	0.01679	1.58%	0.26477	0.12886	0.29446	1.46%	0.71%	1.63%	2.2852	0.14476	2.59%
002.07	1		17.905														
002.08	3	3	18.158	0.45162	18.158	0.45162	0.18437	2.49%	0.45040	0.04686	0.45283	2.48%	0.26%	2.49%	9.6632	0.05990	2.59%
002.10	3	3	17.655	0.00500	17.655	0.00500	0.00204	0.03%		0.14520			0.82%			0.17000	2.60%
002.11	6	6	18.464	0.86531	18.146	0.14002	0.04042	0.77%	0.07709	0.09690	0.12382	0.43%	0.54%	0.68%	1.2778	0.09517	2.59%
002.99	4	4	17.691	0.21029	17.691	0.21029	0.07435	1.19%	0.08961	0.26905	0.28358	0.51%	1.52%	1.60%	1.0540	0.33250	2.60%
003.00	25	24	3.6035	0.46338	3.5836	0.24446	0.03528	6.82%	0.19900	0.07798	0.21373	5.56%	2.18%	5.97%	2.7409	0.12474	3.30%
003.01	3	3	3.4302	0.31717	3.4302	0.31717	0.12948	9.25%	0.10388	0.04719	0.11409	2.88%	1.31%	3.16%	2.4179	0.26947	3.32%
003.06	16	15	3.5030	0.20320	3.4920	0.18482	0.03374	5.29%	0.19886	0.05913	0.20746	5.68%	1.69%	5.92%	3.5084	0.06200	3.31%
003.07	1		7.6300														
003.09	26	23	3.5519	0.16287	3.5680	0.11235	0.01657	3.15%	0.16257	0.05190	0.17065	4.58%	1.46%	4.80%	3.2881	0.06733	3.30%
003.10	40	38	3.4318	0.28709	3.4423	0.24765	0.02841	7.19%	0.22441	0.06193	0.23280	6.47%	1.79%	6.72%	3.7588	0.06989	3.32%
003.11	5	5	3.6730	0.25572	3.6730	0.25572	0.08087	6.96%	0.25403	0.04159	0.25741	6.92%	1.13%	7.01%	6.1887	0.05000	3.29%
003.12	18	17	3.5312	0.15837	3.5373	0.16509	0.02831	4.67%	0.15439	0.03606	0.15855	4.39%	1.02%	4.50%	4.3973	0.04824	3.31%

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003.13	8	7	3.4836	0.12365	3.4787	0.10152	0.02713	2.92%	0.11917	0.04666	0.12798	3.42%	1.34%	3.67%	2.7426	0.05114	3.32%
003.14	33	33	3.5715	0.26646	3.5687	0.17820	0.02193	4.99%	0.25608	0.12254	0.28389	7.17%	3.43%	7.95%	2.3167	0.14549	3.30%
003.99	8	6	3.7117	0.24468	3.7192	0.21604	0.06237	5.81%	0.24343	0.03488	0.24592	6.56%	0.94%	6.63%	7.0502	0.03333	3.28%
004.00	25	24	6.1473	0.53533	6.1428	0.40658	0.05868	6.62%	0.43502	0.12648	0.45304	7.01%	2.04%	7.30%	3.5818	0.14107	3.04%
004.01	1		7.2500														
004.03	5	5	6.8530	1.3699	6.8530	1.3699	0.43321	19.99%	1.3513	0.31851	1.3883	19.72%	4.65%	20.26%	4.3588	0.34200	2.99%
004.06	49	48	6.4085	0.70633	6.2972	0.33148	0.03383	5.26%	0.37528	0.08670	0.38517	5.96%	1.38%	6.12%	4.4425	0.10269	3.03%
004.07	56	55	6.0055	0.52355	6.0644	0.41515	0.03958	6.85%	0.51785	0.15559	0.54072	8.63%	2.59%	9.01%	3.4752	0.18993	3.05%
004.11	5	5	5.7372	1.4786	5.7372	1.4786	0.46756	25.77%	1.4763	0.11658	1.4808	25.73%	2.03%	25.81%	12.703	0.12200	3.08%
004.99	5	5	6.3870	0.66994	6.3870	0.66994	0.21185	10.49%	0.77256	0.04123	0.77365	12.08%	0.64%	12.09%	18.764	0.11400	3.03%
005.00	191	115	7.3643	0.16572	7.3637	0.16954	0.01118	2.30%	0.14737	0.06193	0.15986	2.00%	0.84%	2.17%	2.5813	0.06565	2.96%
005.01	1		7.3600														
005.02	1		7.5500														
005.05	35	34	7.5458	0.27260	7.5308	0.12958	0.01571	1.72%	0.15812	0.04438	0.16423	2.11%	0.59%	2.19%	3.7005	0.04496	2.95%
005.11	4	4	7.8444	1.9663	7.8444	1.9663	0.69520	25.07%	2.3128	0.02614	2.3129	28.49%	0.32%	28.49%	88.480	0.11375	2.93%
005.99	15	15	7.3012	0.66173	7.5022	0.16202	0.02958	2.16%	0.29700	0.06265	0.30353	3.98%	0.84%	4.07%	4.8450	0.06373	2.95%
006.01	1		7.0000														
006.99	2	2	6.6825	1.1208													
008.02	18	18	9.6531	4.0618	8.4450	0.78700	0.13117	9.32%	0.87156	0.16817	0.88764	10.51%	2.03%	10.71%	5.2782	0.17044	2.90%
008.05	1		9.1000														
008.08	40	39	8.3444	0.68447	8.3178	0.54126	0.06129	6.51%	0.51013	0.16442	0.53598	6.09%	1.96%	6.40%	3.2599	0.20813	2.91%
008.99	5	5	8.5854	1.3029	8.5854	1.3029	0.41203	15.18%	0.27204	0.10257	0.29073	3.39%	1.28%	3.63%	2.8345	0.14160	2.89%
009.04	1		21.195														
009.07	13	13	19.661	3.3895	20.435	0.88832	0.17421	4.35%	0.73905	0.30619	0.79997	3.59%	1.49%	3.89%	2.6126	0.34800	2.54%
009.09	30	28	19.305	0.54890	19.266	0.53869	0.07199	2.80%	0.50115	0.31669	0.59282	2.60%	1.64%	3.07%	1.8719	0.34050	2.56%
009.99	4	4	22.401	5.3237	22.401	5.3237	1.8822	23.77%	5.3143	0.44636	5.3330	23.72%	1.99%	23.81%	11.948	0.61250	2.51%
010.03	7	7	8.8656	1.3141	9.5978	0.14934	0.03991	1.56%	1.3031	0.23972	1.3250	14.70%	2.70%	14.95%	5.5270	0.29294	2.85%
010.11	3	3	10.373	0.42900	10.373	0.42900	0.17514	4.14%	0.42549	0.07738	0.43247	4.10%	0.75%	4.17%	5.5890	0.07833	2.81%
010.99	15	15	9.8784	0.51418	9.7673	0.24168	0.04412	2.47%	0.33606	0.08905	0.34766	3.45%	0.92%	3.57%	3.9039	0.10181	2.84%
011.01	163	82	10.842	0.31137	10.863	0.27321	0.02133	2.52%	0.25843	0.08660	0.27256	2.37%	0.80%	2.50%	3.1474	0.10133	2.79%
011.02	4	3	10.752	0.17652	10.752	0.17652	0.07206	1.64%	0.15259	0.12550	0.19757	1.42%	1.17%	1.84%	1.5743	0.13667	2.80%
011.99	2	2	10.575	0.03536													
012.00	9	9	28.883	2.0006	29.427	0.76365	0.17999	2.60%	0.66803	0.18176	0.69231	2.26%	0.62%	2.35%	3.8089	0.20778	2.40%
012.01	6	6	26.901	1.0652	26.773	0.97674	0.28196	3.65%	1.1161	0.58238	1.2589	4.15%	2.16%	4.68%	2.1617	1.2323	2.44%
012.02	1		27.150														
012.03	4	4	26.595	1.8532	26.595	1.8532	0.65521	6.97%	1.7132	0.99944	1.9834	6.44%	3.76%	7.46%	1.9845	1.1100	2.44%
012.04	7	6	27.732	0.92634	27.831	0.22290	0.06435	0.80%	0.79779	0.66580	1.0391	2.88%	2.40%	3.75%	1.5607	0.73000	2.42%
012.11	4	4	30.153	0.86082	30.153	0.86082	0.30434	2.85%	0.84592	0.22551	0.87546	2.81%	0.75%	2.90%	3.8821	0.22825	2.40%

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013.00	18	17	4.6919	0.45338	4.6950	0.45452	0.07795	9.68%	0.44581	0.17971	0.48067	9.53%	3.84%	10.28%	2.6747	0.22214	3.17%
013.02	99	28	4.7105	0.47155	4.6563	0.31500	0.04209	6.76%	0.35975	0.16130	0.39426	7.73%	3.46%	8.47%	2.4443	0.18821	3.17%
013.08	1		3.1975														
013.10	9	8	4.4494	0.29489	4.4207	0.27176	0.06794	6.15%	0.27862	0.13661	0.31031	6.26%	3.07%	6.97%	2.2715	0.16250	3.20%
013.11	1		3.2800														
013.12	3	2	4.1673	0.02440	4.1673	0.02440	0.01220	0.59%								0.08150	3.23%
013.13	4	4	5.0325	0.61577	5.0325	0.61577	0.21771	12.24%	0.58667	0.26453	0.64355	11.66%	5.26%	12.79%	2.4328	0.31500	3.14%
014.99	1		25.150														
015.41	5	5	107.26	12.876	107.26	12.876	4.0716	12.00%	12.408	4.8640	13.327	11.57%	4.53%	12.43%	2.7399	5.4580	7.92%
015.42	1		110.00														
015.43	3	3	121.67	16.631	121.67	16.631	6.7895	13.67%	16.603	1.3515	16.658	13.65%	1.11%	13.69%	12.325	1.4667	7.77%
015.52	1		107.55														
015.53	1		99.400														
017.41	2	2	7.2225	0.00354													
017.42	3	3	7.2333	0.88891	7.2333	0.88891	0.36290	12.29%	0.86443	0.29297	0.91273	11.95%	4.05%	12.62%	3.1154	0.38000	11.88%
017.43	3	3	7.9233	1.0471	7.9233	1.0471	0.42748	13.22%	1.0150	0.36378	1.0782	12.81%	4.59%	13.61%	2.9640	0.34000	11.72%
017.53	1		7.0400														
019.00	33	31	1.1206	0.05607	1.1215	0.04286	0.00544	3.82%	0.04959	0.01440	0.05164	4.40%	1.28%	4.58%	3.5852	0.01809	3.93%
019.02	1		1.0500														
019.03	4	4	1.0863	0.20010	1.0863	0.20010	0.07075	18.42%	0.05896	0.00801	0.05950	4.98%	0.68%	5.03%	7.4284	0.03090	3.95%
019.08	10	9	1.1311	0.05281	1.1311	0.05989	0.01412	5.29%	0.05107	0.01903	0.05450	4.51%	1.68%	4.82%	2.8635	0.02196	3.93%
019.31	28	26	1.1353	0.06140	1.1292	0.04925	0.00683	4.36%	0.03953	0.02223	0.04536	3.51%	1.97%	4.03%	2.0403	0.02575	3.93%
019.32	7	7	1.1133	0.06433	1.1227	0.05515	0.01474	4.91%	0.06372	0.01493	0.06544	5.67%	1.33%	5.83%	4.3833	0.02849	3.93%
019.33	2	2	1.0950	0.02828													
019.41	37	36	1.1222	0.05315	1.1261	0.03890	0.00458	3.45%	0.03842	0.03020	0.04887	3.42%	2.69%	4.35%	1.6183	0.02955	3.93%
019.42	21	21	1.1556	0.05978	1.1514	0.05097	0.00786	4.43%	0.04692	0.02555	0.05343	4.09%	2.23%	4.65%	2.0910	0.02658	3.92%
019.43	18	18	1.1303	0.06771	1.1383	0.05642	0.00940	4.96%	0.06173	0.02594	0.06695	5.49%	2.31%	5.96%	2.5814	0.03389	3.92%
019.44	3	3	0.89588	0.38005	0.89588	0.38005	0.15515	42.42%	0.37999	0.00919	0.38010	42.42%	1.03%	42.43%	41.380	0.01250	4.07%
019.52	1		1.0138														
019.53	3	3	1.1183	0.04193	1.1183	0.04193	0.01712	3.75%	0.04950	0.00000	0.04950	4.48%	0.00%	4.48%		0.00333	3.93%
019.99	4	4	1.0544	0.08992	1.0544	0.08992	0.03179	8.53%	0.08814	0.02515	0.09166	8.36%	2.39%	8.69%	3.6442	0.03025	3.97%
021.31	4	4	1.6488	0.68401	1.6488	0.68401	0.24183	41.49%	0.11150	0.04163	0.11902	8.51%	3.18%	9.09%	2.8589	0.09250	14.84%
021.41	6	6	1.1779	0.22538	1.2045	0.19731	0.05696	16.38%	0.22147	0.05911	0.22922	18.80%	5.02%	19.46%	3.8778	0.05815	15.55%
021.42	3	3	1.1300	0.18296	1.1300	0.18296	0.07469	16.19%	0.12984	0.18230	0.22381	11.49%	16.13%	19.81%	1.2277	0.18667	15.71%
021.43	4	4	1.7843	0.77560	1.7843	0.77560	0.27422	43.47%	0.04274	0.06745	0.07985	3.06%	4.83%	5.71%	1.1839	0.07850	14.66%
021.52	2	2	1.3608	0.01520													
021.53	4	4	1.0238	0.16235	1.0238	0.16235	0.05740	15.86%	0.14248	0.11006	0.18003	13.92%	10.75%	17.59%	1.6358	0.13250	15.94%
022.31	15	14	22.129	1.7352	22.168	1.8213	0.34420	8.22%	1.5568	0.58928	1.6646	7.10%	2.69%	7.59%	2.8248	0.82500	10.03%

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022.32	3	3	21.833	5.2994	21.833	5.2994	2.1635	24.27%	5.2281	1.2247	5.3697	23.95%	5.61%	24.59%	4.3843	1.6667	10.06%
022.33	1		22.714														
022.41	32	30	21.609	2.3436	21.608	2.2191	0.28648	10.27%	2.3015	0.58759	2.3753	10.62%	2.71%	10.96%	4.0424	0.79130	10.07%
022.42	17	16	23.983	3.2994	24.134	3.4130	0.60333	14.14%	3.2565	0.75058	3.3418	13.58%	3.13%	13.93%	4.4523	0.81938	9.91%
022.43	15	15	22.810	2.9672	22.980	1.8367	0.33533	7.99%	1.7928	1.0210	2.0632	7.66%	4.36%	8.81%	2.0207	1.0079	9.98%
022.44	2	2	21.125	0.53033													
022.52	1		19.853														
022.53	3	3	22.633	2.5106	22.633	2.5106	1.0250	11.09%	2.4833	0.52281	2.5377	10.97%	2.31%	11.21%	4.8540	0.60000	10.00%
023.01	1		0.00115														
025.31	14	14	227.30	33.630	229.35	12.588	2.3790	5.49%	21.682	4.5037	22.145	9.22%	1.91%	9.42%	4.9170	5.7293	7.06%
025.32	4	4	265.43	62.093	265.43	62.093	21.953	23.39%	62.034	3.8427	62.153	23.37%	1.45%	23.42%	16.174	4.2250	6.91%
025.33	1		224.62														
025.41	33	32	227.13	19.223	228.34	12.031	1.5039	5.27%	12.876	4.6031	13.674	5.67%	2.03%	6.02%	2.9705	5.3050	7.06%
025.42	15	14	238.35	23.623	235.43	21.908	4.1403	9.31%	23.151	6.6445	24.085	9.71%	2.79%	10.11%	3.6249	7.8221	7.03%
025.43	15	15	225.17	23.585	228.14	20.843	3.8054	9.14%	20.794	8.3234	22.398	9.12%	3.65%	9.82%	2.6910	11.381	7.07%
025.52	1		208.96														
025.53	2	2	222.50	7.7782													
027.31	18	17	0.33576	0.02246	0.33948	0.01569	0.00269	4.62%	0.01452	0.00647	0.01589	4.27%	1.90%	4.68%	2.4575	0.00661	4.71%
027.32	6	6	0.33996	0.01455	0.34149	0.01314	0.00379	3.85%	0.01354	0.00755	0.01550	3.98%	2.22%	4.56%	2.0541	0.00842	4.70%
027.33	1		0.29250														
027.41	33	32	0.34596	0.01304	0.34641	0.01236	0.00154	3.57%	0.01235	0.00643	0.01392	3.57%	1.86%	4.03%	2.1642	0.00693	4.69%
027.42	17	17	0.35391	0.01520	0.35362	0.01662	0.00285	4.70%	0.01486	0.00449	0.01553	4.20%	1.27%	4.39%	3.4591	0.00386	4.68%
027.43	13	13	0.33546	0.04380	0.34338	0.01758	0.00345	5.12%	0.01596	0.00790	0.01781	4.60%	2.28%	5.14%	2.2555	0.00785	4.70%
027.44	2	2	0.34225	0.01520													
027.52	1		0.28565														
027.53	3	3	0.34867	0.01002	0.34867	0.01002	0.00409	2.87%	0.01344	0.00000	0.01344	3.83%	0.00%	3.83%		0.00333	4.69%
028.31	14	14	130.08	9.5342	131.52	6.1261	1.1577	4.66%	4.3564	1.9119	4.7575	3.31%	1.45%	3.62%	2.4884	2.6557	7.68%
028.32	4	4	103.83	68.838	103.83	68.838	24.338	66.30%	5.2822	0.66958	5.3245	3.82%	0.48%	3.85%	7.9520	0.61500	7.95%
028.33	1		128.04														
028.41	32	31	126.46	9.8512	128.63	2.7408	0.34808	2.13%	5.5901	2.7830	6.2445	4.37%	2.18%	4.88%	2.2438	3.6284	7.70%
028.42	18	17	136.76	5.9513	137.05	4.5489	0.78014	3.32%	5.6884	2.4741	6.2031	4.16%	1.81%	4.54%	2.5072	2.9794	7.63%
028.43	16	15	127.96	12.176	129.07	8.4438	1.5416	6.54%	7.9502	4.6154	9.1928	6.10%	3.54%	7.06%	1.9918	5.3620	7.70%
028.44	2	2	119.75	11.667													
028.52	1		111.77														
028.53	3	3	129.83	2.7538	129.83	2.7538	1.1242	2.12%	1.4720	3.2914	3.6056	1.13%	2.54%	2.78%	1.0954	3.6667	7.69%
031.00	1		0.65350														
031.01	68	66	0.71092	0.02411	0.71297	0.01709	0.00149	2.40%	0.02055	0.00792	0.02202	2.88%	1.11%	3.09%	2.7819	0.00944	4.21%
031.02	3	3	0.70303	0.02939	0.70303	0.02939	0.01200	4.18%	0.00000	0.00000	0.00000	0.00%	0.00%	0.00%		0.00033	4.22%

Method Code	Total # Labs Submitting	# Labs Included in Calculations	Mean	SD	Assigned Value - Robust Mean	AAFCO CS ftp - Robust sd	Uncertainty (U)	% RSD	Between Labs sL	Within Labs sT	Reproducibility sR	Between Labs %RSD	Within Labs %rsd	Reproducibility %RSD	sR/sr	Average Range (R-bar)	Horwitz %RSD
031.03	6	6	0.71086	0.03264	0.70923	0.03381	0.00976	4.77%	0.03098	0.01451	0.03421	4.36%	2.04%	4.81%	2.3573	0.01732	4.21%
031.06	3	3	0.68433	0.03011	0.68433	0.03011	0.01229	4.40%	0.02763	0.01691	0.03239	4.04%	2.47%	4.73%	1.9155	0.01800	4.23%
031.41	37	36	0.70571	0.08068	0.71241	0.02835	0.00334	3.98%	0.02967	0.01753	0.03446	4.19%	2.48%	4.87%	1.9659	0.02004	4.21%
031.42	22	22	0.71313	0.03187	0.71333	0.02881	0.00434	4.04%	0.02905	0.01853	0.03446	4.07%	2.60%	4.83%	1.8590	0.02116	4.21%
031.43	18	18	0.71050	0.03711	0.70947	0.03643	0.00607	5.13%	0.03489	0.01788	0.03921	4.91%	2.52%	5.52%	2.1929	0.01903	4.21%
031.44	3	3	0.56860	0.25223	0.56860	0.25223	0.10297	44.36%	0.25201	0.01480	0.25245	44.32%	2.60%	44.40%	17.061	0.01540	4.35%
031.52	1		0.59265														
031.53	3	3	0.75650	0.03204	0.75650	0.03204	0.01308	4.24%	0.04243	0.00000	0.04243	5.66%	0.00%	5.66%		0.01433	4.17%
031.99	5	5	0.69850	0.02913	0.69850	0.02913	0.00921	4.17%	0.02859	0.00791	0.02966	4.09%	1.13%	4.25%	3.7523	0.00900	4.22%
032.02	6	5	1.1484	0.06975	1.1484	0.06975	0.02206	6.07%	0.07332	0.00173	0.07334	6.46%	0.15%	6.46%	42.344	0.00560	3.92%
032.31	17	16	1.0999	0.20230	1.1566	0.04964	0.00877	4.29%	0.06979	0.01914	0.07237	6.08%	1.67%	6.31%	3.7810	0.02136	3.91%
032.32	3	3	1.1067	0.07654	1.1067	0.07654	0.03125	6.92%	0.07643	0.00577	0.07665	6.91%	0.52%	6.93%	13.276	0.00667	3.94%
032.33	1		1.1410														
032.41	29	29	1.1423	0.10476	1.1491	0.06564	0.00862	5.71%	0.06817	0.02110	0.07136	5.95%	1.84%	6.23%	3.3829	0.02566	3.92%
032.42	18	17	1.1861	0.04936	1.1891	0.04825	0.00827	4.06%	0.03842	0.01293	0.04054	3.22%	1.08%	3.40%	3.1355	0.01368	3.90%
032.43	13	13	1.1445	0.10773	1.1766	0.03754	0.00736	3.19%	0.06419	0.02400	0.06852	5.49%	2.05%	5.86%	2.8555	0.02608	3.90%
032.44	2	2	1.1575	0.01768													
032.52	1		1.1260														
032.53	2	2	1.2190	0.10465													
032.99	1		1.0700														
033.00	33	32	0.93680	0.05607	0.93580	0.05918	0.00740	6.32%	0.05383	0.01155	0.05506	5.73%	1.23%	5.86%	4.7654	0.01478	4.04%
033.01	33	33	1.0100	0.02363	1.0070	0.01519	0.00187	1.51%	0.01744	0.00642	0.01859	1.73%	0.64%	1.85%	2.8968	0.00798	4.00%
033.03	4	4	0.95500	0.10661	0.95500	0.10661	0.03769	11.16%	0.10120	0.04743	0.11177	10.60%	4.97%	11.70%	2.3562	0.05500	4.03%
033.05	6	6	0.89300	0.16160	0.96089	0.04537	0.01310	4.72%	0.07037	0.01733	0.07247	7.38%	1.82%	7.60%	4.1815	0.01700	4.02%
033.99	7	7	0.92857	0.11006	0.94652	0.04706	0.01258	4.97%	0.04757	0.01291	0.04930	4.92%	1.34%	5.10%	3.8184	0.01143	4.03%
034.04	6	6	0.68667	0.13325	0.68667	0.15111	0.04362	22.01%	0.13127	0.03239	0.13521	19.12%	4.72%	19.69%	4.1739	0.03667	16.93%
034.42	1		1.3750														
034.43	2	2	0.80450	0.28072													
034.52	1		0.71200														
034.53	5	5	0.88660	0.34167	0.88660	0.34167	0.10805	38.54%	0.15154	0.02923	0.15434	20.32%	3.92%	20.70%	5.2797	0.16120	16.29%
034.99	3	3	0.75000	0.31117	0.75000	0.31117	0.12703	41.49%	0.30937	0.04726	0.31296	41.25%	6.30%	41.73%	6.6223	0.05333	16.70%
035.01	3	3	0.36550	0.02642	0.36550	0.02642	0.01079	7.23%	0.02543	0.01017	0.02739	6.96%	2.78%	7.49%	2.6919	0.01367	4.65%
035.05	7	7	0.36534	0.03653	0.36761	0.03711	0.00992	10.10%	0.03628	0.00603	0.03678	9.93%	1.65%	10.07%	6.0983	0.00650	4.65%
035.31	18	17	0.37479	0.02097	0.37143	0.01432	0.00246	3.85%	0.01193	0.00615	0.01342	3.21%	1.65%	3.61%	2.1837	0.00658	4.64%
035.32	4	4	0.37108	0.04564	0.37108	0.04564	0.01614	12.30%	0.04551	0.00500	0.04578	12.26%	1.35%	12.34%	9.1523	0.00510	4.64%
035.33	1		0.36600														
035.41	33	31	0.36563	0.02463	0.36629	0.01545	0.00196	4.22%	0.01897	0.00737	0.02035	5.23%	2.03%	5.61%	2.7619	0.00991	4.65%
035.42	18	18	0.37653	0.02151	0.37576	0.02087	0.00348	5.55%	0.02088	0.00729	0.02212	5.55%	1.94%	5.87%	3.0333	0.00867	4.63%

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035.43	13	13	0.35369	0.06262	0.36646	0.01184	0.00232	3.23%	0.01788	0.00852	0.01981	4.86%	2.32%	5.38%	2.3239	0.01262	4.65%
035.52	1		0.35375														
035.53	2	2	0.38300	0.01838													
036.00	1		0.44500														
036.04	3	3	0.41833	0.02843	0.41833	0.02843	0.01161	6.80%	0.02828	0.00000	0.02828	6.58%	0.00%	6.58%		0.00333	4.56%
036.42	18	18	0.39363	0.02789	0.39639	0.02485	0.00414	6.27%	0.02204	0.00463	0.02252	5.54%	1.16%	5.66%	4.8651	0.00502	4.60%
036.43	9	9	0.39756	0.03601	0.39437	0.03342	0.00788	8.48%	0.03494	0.01231	0.03705	8.79%	3.10%	9.32%	3.0104	0.01289	4.60%
036.53	1		0.40000														
037.31	16	15	141.49	13.360	139.89	6.1535	1.1235	4.40%	7.4153	2.1378	7.7173	5.37%	1.55%	5.58%	3.6100	3.0193	7.60%
037.32	4	4	133.04	37.215	133.04	37.215	13.157	27.97%	37.038	5.1279	37.391	27.84%	3.85%	28.11%	7.2916	5.2100	7.66%
037.33	1		149.32														
037.41	31	30	140.95	8.3457	141.08	7.4264	0.95874	5.26%	7.2285	3.3913	7.9845	5.15%	2.42%	5.69%	2.3544	3.6312	7.60%
037.42	16	16	148.43	12.845	144.75	6.2538	1.1055	4.32%	9.9772	4.0845	10.781	6.81%	2.79%	7.36%	2.6395	4.0625	7.57%
037.43	13	13	143.45	20.765	144.62	18.036	3.5371	12.47%	20.789	5.3619	21.470	14.36%	3.70%	14.83%	4.0041	6.3954	7.57%
037.44	2	2	132.50	7.7782													
037.52	1		103.74														
037.53	3	3	140.00	10.000	140.00	10.000	4.0825	7.14%	9.2195	5.4772	10.724	6.59%	3.91%	7.66%	1.9579	6.0000	7.60%
038.41	3	3	1.2196	0.18953	1.2196	0.18953	0.07738	15.54%	0.18409	0.06379	0.19483	15.09%	5.23%	15.97%	3.0540	0.07547	15.53%
038.42	4	4	1.3214	0.27030	1.3214	0.27030	0.09557	20.46%	0.26459	0.07817	0.27590	20.02%	5.92%	20.88%	3.5296	0.10725	15.34%
038.43	5	5	1.2850	0.21413	1.2850	0.21413	0.06771	16.66%	0.20757	0.07436	0.22049	16.15%	5.79%	17.16%	2.9650	0.09000	15.40%
038.52	1		1.3110														
038.53	2	2	1.2125	0.02475													
054.01	7	6	15.270	0.73420	15.358	0.68420	0.19751	4.45%	0.70462	0.18682	0.72897	4.66%	1.24%	4.82%	3.9021	0.42000	9.41%
054.02	5	5	16.354	0.39018	16.354	0.39018	0.12339	2.39%	0.34486	0.25811	0.43076	2.11%	1.58%	2.63%	1.6689	0.30160	9.33%
057.01	1		0.31000														
057.99	1		0.71755														
101.02	2	2	608.99	75.325													
101.99	1		14,560														
102.01	1		53.800														
102.02	1		7.6200														
103.01	1		24.155														
104.00	1		7.4800														
105.00	1		3.0085														
106.00	1		6.9000														
106.01	1		9.0900														
106.02	24	24	8.1135	1.8455	7.9808	1.0839	0.15645	13.58%	1.0524	0.56770	1.1958	13.47%	7.27%	15.31%	2.1064	0.59887	
108.01	2	2	0.95000	1.3435													
108.02	7	7	2.1495	2.0599	1.6717	0.60868	0.16268	36.41%	0.64986	0.11249	0.65952	46.27%	8.01%	46.96%	5.8631	0.13696	

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109.00	1		112.50														
109.01	1		117.10														
109.02	17	16	120.36	27.092	115.35	15.438	2.7292	13.38%	16.942	3.2462	17.250	14.41%	2.76%	14.67%	5.3139	3.8949	7.83%
110.99	1		4.1100														
120.00	17	16	0.84560	0.03507	0.83981	0.02436	0.00431	2.90%	0.01678	0.00880	0.01895	2.01%	1.06%	2.27%	2.1526	0.01297	4.11%
120.01	2	2	0.78675	0.09016													
120.02	1		0.86555														
120.05	3	3	0.80392	0.02322	0.80392	0.02322	0.00948	2.89%	0.01730	0.02190	0.02791	2.15%	2.72%	3.47%	1.2745	0.02217	4.13%
121.00	17	16	1.1935	0.04561	1.1911	0.04309	0.00762	3.62%	0.04418	0.01316	0.04610	3.69%	1.10%	3.85%	3.5020	0.01704	3.90%
121.01	2	2	1.2133	0.07319													
121.02	1		1.1925														
121.05	3	3	1.1517	0.04773	1.1517	0.04773	0.01949	4.14%	0.04519	0.02175	0.05015	3.92%	1.89%	4.35%	2.3059	0.02800	3.92%
122.00	17	16	1.4917	0.04084	1.4942	0.02400	0.00424	1.61%	0.03700	0.02582	0.04512	2.48%	1.73%	3.03%	1.7473	0.03369	3.77%
122.01	2	2	1.4723	0.02510													
122.02	1		1.4832														
122.05	3	3	1.4043	0.12816	1.4043	0.12816	0.05232	9.13%	0.12268	0.05242	0.13341	8.74%	3.73%	9.50%	2.5450	0.06000	3.80%
123.99	1		3.2550														
124.00	16	16	0.35125	0.01832	0.35075	0.01365	0.00241	3.89%	0.01103	0.01161	0.01602	3.18%	3.34%	4.61%	1.3795	0.01454	4.68%
124.01	2	2	0.33100	0.02121													
124.02	2	2	0.34520	0.04271													
124.05	2	2	0.28175	0.09652													
125.00	16	15	3.3247	0.13311	3.3294	0.12092	0.02208	3.63%	0.13184	0.02593	0.13436	3.97%	0.78%	4.04%	5.1825	0.02837	3.34%
125.01	2	2	3.3233	0.12480													
125.02	1		3.2613														
125.05	3	3	3.0978	0.25340	3.0978	0.25340	0.10345	8.18%	0.24381	0.09761	0.26263	7.87%	3.15%	8.48%	2.6906	0.11700	3.37%
126.00	17	17	0.79475	0.01959	0.79500	0.01648	0.00283	2.07%	0.01859	0.00669	0.01976	2.35%	0.84%	2.49%	2.9519	0.01265	4.14%
126.01	2	2	0.75375	0.04773													
126.02	1		0.81495														
126.05	3	3	0.77950	0.02684	0.77950	0.02684	0.01096	3.44%	0.02898	0.00100	0.02900	3.77%	0.13%	3.77%	29.000	0.01233	4.15%
127.00	17	16	0.45428	0.02349	0.45712	0.00991	0.00175	2.17%	0.02076	0.00464	0.02128	4.54%	1.02%	4.65%	4.5816	0.00606	4.50%
127.01	2	2	0.39800	0.02970													
127.02	1		0.45490														
127.05	3	3	0.44817	0.00742	0.44817	0.00742	0.00303	1.66%	0.00510	0.00763	0.00917	1.14%	1.70%	2.05%	1.2029	0.00767	4.51%
128.00	17	16	0.60956	0.03374	0.60727	0.03041	0.00538	5.01%	0.02348	0.01501	0.02786	3.89%	2.49%	4.61%	1.8567	0.01900	4.31%
128.01	2	2	0.64800	0.02546													
128.02	1		0.63630														
128.05	3	3	0.60100	0.03329	0.60100	0.03329	0.01359	5.54%	0.02304	0.03397	0.04105	3.83%	5.65%	6.83%	1.2084	0.03400	4.32%
129.00	17	16	1.2280	0.03567	1.2282	0.04003	0.00708	3.26%	0.03568	0.01257	0.03783	2.90%	1.02%	3.08%	3.0100	0.01814	3.88%

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129.01	2	2	1.2473	0.00389													
129.02	1		1.2723														
129.05	3	3	1.2108	0.02268	1.2108	0.02268	0.00926	1.87%		0.03262			2.69%			0.03033	3.89%
130.00	17	16	0.78389	0.02723	0.78090	0.02224	0.00393	2.85%	0.02241	0.00800	0.02380	2.87%	1.03%	3.05%	2.9750	0.01129	4.15%
130.01	2	2	0.74200	0.00424													
130.02	1		0.82540														
130.05	4	4	0.77663	0.04053	0.77663	0.04053	0.01433	5.22%	0.01376	0.00671	0.01531	1.73%	0.84%	1.92%	2.2816	0.02725	4.15%
131.00	16	15	0.27392	0.01676	0.27278	0.01615	0.00295	5.92%	0.01223	0.00755	0.01437	4.50%	2.78%	5.29%	1.9039	0.00967	4.86%
131.01	2	2	0.26025	0.02369													
131.02	2	2	0.29328	0.01658													
131.05	3	3	0.23700	0.03617	0.23700	0.03617	0.01476	15.26%	0.03457	0.01503	0.03770	14.59%	6.34%	15.91%	2.5075	0.01800	4.97%
132.00	17	16	0.76547	0.03524	0.76673	0.03723	0.00658	4.86%	0.03427	0.01160	0.03618	4.48%	1.52%	4.73%	3.1195	0.01404	4.16%
132.01	2	2	0.77725	0.00742													
132.02	1		0.78475														
132.05	3	3	0.75683	0.01786	0.75683	0.01786	0.00729	2.36%	0.01541	0.01279	0.02002	2.04%	1.69%	2.65%	1.5658	0.01300	4.17%
133.00	17	16	1.0767	0.10476	1.0591	0.08070	0.01427	7.62%	0.10153	0.01596	0.10278	9.35%	1.47%	9.47%	6.4383	0.02160	3.97%
133.04	1		1.0100														
133.05	3	3	1.0563	0.01654	1.0563	0.01654	0.00675	1.57%	0.01177	0.01644	0.02022	1.11%	1.56%	1.91%	1.2296	0.01667	3.97%
134.00	17	17	0.76279	0.06052	0.77088	0.02554	0.00438	3.31%	0.05709	0.01427	0.05884	7.43%	1.86%	7.66%	4.1238	0.01890	4.16%
134.01	2	2	0.74725	0.01450													
134.02	1		0.69295														
134.05	3	3	0.78000	0.02740	0.78000	0.02740	0.01119	3.51%	0.02660	0.00931	0.02818	3.41%	1.19%	3.61%	3.0274	0.00933	4.15%
135.00	17	17	0.61469	0.04576	0.60914	0.02347	0.00403	3.85%	0.02148	0.01178	0.02449	3.55%	1.95%	4.05%	2.0799	0.01491	4.31%
135.01	2	2	0.58425	0.05197													
135.02	1		0.60285														
135.05	3	3	0.60083	0.05001	0.60083	0.05001	0.02042	8.32%	0.04978	0.00679	0.05024	8.29%	1.13%	8.36%	7.3943	0.00767	4.32%
136.00	3	3	0.21120	0.05021	0.21120	0.05021	0.02050	23.78%	0.04697	0.02510	0.05326	22.24%	11.89%	25.22%	2.1216	0.02627	5.05%
136.01	5	5	0.22970	0.02006	0.22970	0.02006	0.00634	8.73%	0.01990	0.00362	0.02023	8.66%	1.58%	8.81%	5.5885	0.00380	4.99%
136.03	2	2	0.23700	0.01980													
136.99	4	4	0.21988	0.02477	0.21988	0.02477	0.00876	11.27%	0.02335	0.01171	0.02612	10.62%	5.33%	11.88%	2.2306	0.01125	5.02%
137.00	13	12	0.48233	0.03267	0.48772	0.02254	0.00460	4.62%	0.01903	0.00715	0.02033	3.89%	1.46%	4.15%	2.8424	0.01683	4.46%
137.01	2	2	0.56850	0.03182													
137.02	1		0.48995														
137.05	3	3	0.44317	0.08986	0.44317	0.08986	0.03669	20.28%	0.08976	0.00601	0.08996	20.25%	1.36%	20.30%	14.959	0.00833	4.52%
138.00	17	17	0.80557	0.04808	0.80030	0.01784	0.00306	2.23%	0.03627	0.01958	0.04121	4.46%	2.41%	5.07%	2.1053	0.02441	4.14%
138.01	2	2	0.87275	0.09581													
138.02	1		0.84565														
138.05	3	3	0.78250	0.01830	0.78250	0.01830	0.00747	2.34%	0.02575	0.00250	0.02587	3.29%	0.32%	3.31%	10.348	0.04100	4.15%

Method Code	Total # Labs Submitting	# Labs Included in Calculations	Mean	SD	Assigned Value - Robust Mean	AAFCO CS ftp - Robust sd	Uncertainty (U)	% RSD	Between Labs sL	Within Labs sR	Reproducibility sR	Between Labs %RSD	Within Labs %/rsd	Reproducibility %RSD	sR/sr	Average Range (R-bar)	Horwitz %RSD
139.00	3	3	0.06833	0.11836	0.06833	0.11836	0.04832	173.21%	0.00000	0.00000	0.00000					0.00333	5.99%
139.02	1		0.00000														
140.01	1		0.00800														
142.00	1		0.07200														
160.99	1		0.34000														
161.99	1		0.00000														
162.99	1		0.16150														
163.99	1		0.00000														
164.99	1		0.16700														
165.99	1		3.0730														
166.99	1		0.85100														
167.99	1		0.41300														
400.01	3	3	0.50083	0.01087	0.50083	0.01087	0.00444	2.17%	0.01046	0.00418	0.01126	2.09%	0.84%	2.25%	2.6921	0.00433	
516.00	2	2	0.08925	0.06470													
516.53	2	2	0.08000	0.11314													
518.33	1		0.08800														
518.41	2	2	0.09500	0.02121													
518.52	1		0.11300														
518.53	2	2	0.10800	0.00990													
520.41	2	2	4.2434	1.3387													
520.43	2	2	4.1925	2.8885													
520.52	1		6.1080														
520.53	1		1.2400														
526.31	1		0.00000														
526.33	1		0.09600														
526.41	1		0.10000														
526.52	1		0.09950														
526.53	2	2	0.07600	0.00424													
529.99	2	2	2.0600	0.79196													
539.31	1		5.0250														
539.41	1		3.7925														
539.52	1		4.4030														
539.53	2	2	2.7075	0.73893													
600.01	1																
600.12	1																
600.13	1																
601.23	1																
602.23	1																

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)	Horwitz %RSD
610.07	1																
610.23	1																
620.09	1																
621.23	1																
622.23	1																
623.23	1																
630.05	1																
630.23	1																
640.05	1																
640.23	1																
650.07	1																
650.24	1																