

AAFCO Check Sample Program
Method Performance & Summary Report



AAFCO
Check Sample Program



Sample # 201622
Lamb Feed, Medicated
Regular Program

Labs Reporting: 192
Issue Date : 03/31/2016

Method Code	Total # Labs Submitting	# Labs in Method Precision Calcs	Mean	SD	Assigned Value - Robust Mean	AAFCO 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
000.02	4	4	1.3988	0.89392	1.3988	0.89392	0.44696	63.91%	0.89332	0.04623	0.89452	63.87%	3.31%	63.95%	19.348	0.04750	3.80%
001.00	7	6	9.1343	0.41460	8.9720	0.64896	0.24528	7.23%	0.40699	0.11185	0.42208	4.46%	1.22%	4.62%	3.7736	0.19186	2.87%
001.03	5	5	9.3150	0.13314	9.3150	0.13314	0.05954	1.43%	0.13244	0.01924	0.13383	1.42%	0.21%	1.44%	6.9574	0.02200	2.86%
001.05	1		9.1400														
001.07	38	32	9.2073	0.26384	9.1914	0.28467	0.04812	3.10%	0.25491	0.09629	0.27248	2.77%	1.05%	2.96%	2.8300	0.11568	2.86%
001.08	2	0															
001.99	16	14	9.0508	0.35417	8.9718	0.34582	0.08645	3.85%	0.35271	0.04545	0.35563	3.90%	0.50%	3.93%	7.8252	0.05539	2.87%
002.00	5	5	27.249	0.93599	27.249	0.93599	0.41859	3.43%	0.88301	0.43901	0.98613	3.24%	1.61%	3.62%	2.2462	0.49800	1.92%
002.01	11	10	27.344	0.17966	27.309	0.23408	0.07058	0.86%	0.15178	0.13594	0.20376	0.56%	0.50%	0.75%	1.4989	0.13942	1.91%
002.02	3	3	26.938	1.0560	26.938	1.0560	0.60968	3.92%	1.0540	0.09091	1.0580	3.91%	0.34%	3.93%	11.637	0.11807	1.93%
002.04	7	5	27.565	0.44462	27.320	0.81580	0.33305	2.99%	0.40565	0.25743	0.48044	1.47%	0.93%	1.74%	1.8663	0.25167	1.91%
002.05	28	27	27.102	0.31446	27.083	0.30613	0.05891	1.13%	0.30392	0.11419	0.32466	1.12%	0.42%	1.20%	2.8432	0.12218	1.92%
002.06	122	113	27.725	0.29775	27.713	0.30162	0.02742	1.09%	0.26559	0.19035	0.32676	0.96%	0.69%	1.18%	1.7166	0.22944	1.90%
002.08	2	0															
002.10	1		27.730														
002.11	10	10	28.262	1.2311	28.232	1.3312	0.42098	4.72%	1.2182	0.25153	1.2439	4.31%	0.89%	4.40%	4.9453	0.28500	1.88%
002.99	3	3	27.192	0.33942	27.192	0.33942	0.19597	1.25%	0.29075	0.24769	0.38195	1.07%	0.91%	1.40%	1.5420	0.26333	1.92%
003.00	14	12	5.3574	0.26911	5.3286	0.30553	0.08166	5.73%	0.24089	0.16966	0.29464	4.50%	3.17%	5.50%	1.7367	0.17557	3.11%
003.01	2	0															
003.06	17	15	5.2156	0.25957	5.2221	0.26712	0.06678	5.12%	0.25557	0.06424	0.26352	4.90%	1.23%	5.05%	4.1023	0.08897	3.12%
003.09	21	18	5.2377	0.12373	5.2545	0.13029	0.02913	2.48%	0.12009	0.04211	0.12726	2.29%	0.80%	2.43%	3.0218	0.05519	3.12%
003.10	28	25	4.9550	0.19155	4.9596	0.17540	0.03440	3.54%	0.18318	0.07917	0.19956	3.70%	1.60%	4.03%	2.5206	0.10099	3.14%
003.11	10	10	5.1975	0.58534	5.1794	0.62285	0.19696	12.03%	0.58462	0.04105	0.58606	11.25%	0.79%	11.28%	14.277	0.04500	3.12%
003.12	4	4	5.1425	0.22651	5.1425	0.22651	0.11326	4.40%	0.19435	0.16454	0.25465	3.78%	3.20%	4.95%	1.5476	0.15500	3.13%
003.13	7	6	5.0958	0.15781	5.0958	0.17896	0.07306	3.51%	0.15270	0.05635	0.16276	3.00%	1.11%	3.19%	2.8886	0.05833	3.13%
003.14	41	39	5.0857	0.17674	5.0887	0.18785	0.02970	3.69%	0.14926	0.13387	0.20049	2.93%	2.63%	3.94%	1.4977	0.14134	3.13%
003.99	4	3	5.9400	2.3317	5.9400	2.3317	1.3462	39.25%	2.3316	0.02449	2.3317	39.25%	0.41%	39.25%	95.193	0.03333	3.06%
004.00	19	17	6.5524	0.41370	6.5524	0.53696	0.12319	8.19%	0.39383	0.17918	0.43267	6.01%	2.73%	6.60%	2.4148	0.20608	3.01%
004.01	2	0															
004.03	5	5	7.1852	0.87062	7.1852	0.87062	0.38935	12.12%	0.86453	0.14543	0.87667	12.03%	2.02%	12.20%	6.0281	0.17400	2.97%
004.06	26	25	6.6888	0.47696	6.7120	0.48222	0.09457	7.18%	0.46981	0.11641	0.48401	7.02%	1.74%	7.24%	4.1579	0.13728	3.00%
004.07	54	52	6.4947	0.76239	6.4792	0.61153	0.08400	9.44%	0.74725	0.21385	0.77724	11.51%	3.29%	11.97%	3.6346	0.24496	3.02%

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004.11	8	7	5.4950	1.3900	5.7469	1.6680	0.58973	29.02%	1.3890	0.07440	1.3910	25.28%	1.35%	25.31%	18.695	0.12625	3.07%
004.99	3	3	5.9467	0.30172	5.9467	0.30172	0.17420	5.07%	0.27988	0.15937	0.32208	4.71%	2.68%	5.42%	2.0209	0.20667	3.06%
005.00	90	80	11.449	0.43098	11.446	0.42583	0.04539	3.72%	0.42623	0.09023	0.43567	3.72%	0.79%	3.81%	4.8283	0.12438	2.77%
005.05	21	18	11.701	0.15756	11.666	0.20776	0.04646	1.78%	0.14221	0.09593	0.17154	1.22%	0.82%	1.47%	1.7882	0.12153	2.76%
005.11	8	8	9.3769	1.5638	9.3769	1.7733	0.62696	18.91%	1.5605	0.14385	1.5671	16.64%	1.53%	16.71%	10.894	0.16875	2.86%
005.99	9	9	11.542	0.36322	11.542	0.41190	0.13730	3.57%	0.35017	0.13646	0.37582	3.03%	1.18%	3.26%	2.7540	0.16889	2.77%
006.01	2	0															
006.05	1		5.5300														
006.99	2	0															
008.02	13	13	9.2712	0.81170	9.2712	0.92046	0.25529	9.93%	0.80354	0.16231	0.81977	8.67%	1.75%	8.84%	5.0506	0.17897	2.86%
008.05	1		9.0500														
008.08	41	38	8.7874	0.64447	8.8180	0.64443	0.10189	7.31%	0.62989	0.19277	0.65873	7.17%	2.19%	7.50%	3.4171	0.21830	2.88%
008.99	5	4	9.1463	0.60135	9.1463	0.60135	0.30068	6.57%	0.59784	0.09172	0.60484	6.54%	1.00%	6.61%	6.5944	0.21400	2.87%
009.04	1		17.795														
009.07	8	7	17.393	1.2860	17.791	1.8587	0.65716	10.45%	1.2764	0.22137	1.2955	7.34%	1.27%	7.45%	5.8521	0.26725	2.37%
009.09	32	29	17.677	0.99369	17.653	1.1267	0.20235	6.38%	0.98171	0.21753	1.0055	5.55%	1.23%	5.69%	4.6225	0.29732	2.38%
009.99	5	4	16.155	2.6273	16.155	2.6273	1.3137	16.26%	2.6251	0.15207	2.6295	16.25%	0.94%	16.28%	17.292	0.57600	2.49%
010.03	3	3	8.7633	0.47498	8.7633	0.47498	0.27423	5.42%	0.45173	0.20761	0.49715	5.15%	2.37%	5.67%	2.3947	0.26667	2.89%
010.11	7	7	9.3557	0.71808	9.3557	0.81431	0.30778	8.70%	0.71672	0.06256	0.71945	7.66%	0.67%	7.69%	11.499	0.07429	2.86%
010.99	17	15	9.2707	0.37735	9.2424	0.42392	0.10598	4.59%	0.37551	0.05270	0.37919	4.05%	0.57%	4.09%	7.1959	0.06011	2.86%
011.01	71	65	9.9788	0.32240	9.9631	0.32711	0.03938	3.28%	0.31774	0.07726	0.32699	3.18%	0.77%	3.28%	4.2324	0.09758	2.83%
011.02	1		9.6600														
011.99	3	3	9.5200	0.19672	9.5200	0.19672	0.11358	2.07%	0.11195	0.22876	0.25469	1.18%	2.40%	2.68%	1.1133	0.26000	2.85%
012.00	9	9	20.990	0.52890	21.002	0.57315	0.19105	2.73%	0.52055	0.13237	0.53712	2.48%	0.63%	2.56%	4.0577	0.12889	2.18%
012.01	7	6	17.724	1.2057	18.196	1.8872	0.71328	10.37%	1.1890	0.28217	1.2221	6.71%	1.59%	6.89%	4.3309	0.34100	2.34%
012.03	4	4	19.947	1.7803	19.947	1.7803	0.89016	8.93%	1.7543	0.42887	1.8060	8.79%	2.15%	9.05%	4.2109	0.46320	2.24%
012.04	4	4	19.018	0.26311	19.018	0.26311	0.13155	1.38%	0.18303	0.26730	0.32396	0.96%	1.41%	1.70%	1.2120	0.28500	2.29%
012.11	5	5	20.649	3.3789	20.649	3.3789	1.5111	16.36%	3.3675	0.39338	3.3904	16.31%	1.91%	16.42%	8.6185	0.39800	2.20%
013.00	15	14	6.0900	0.27824	6.1277	0.34222	0.08836	5.58%	0.24640	0.18279	0.30680	4.05%	3.00%	5.04%	1.6784	0.22794	3.04%
013.02	18	16	6.3466	0.43093	6.3312	0.47860	0.11608	7.56%	0.42707	0.08141	0.43476	6.73%	1.28%	6.85%	5.3402	0.10941	3.03%
013.08	2	0															
013.10	9	9	5.8623	0.36131	5.8747	0.38143	0.12714	6.49%	0.33239	0.20033	0.38809	5.67%	3.42%	6.62%	1.9372	0.18163	3.06%
013.13	5	5	5.9536	1.3464	5.9536	1.3464	0.60215	22.62%	1.3419	0.15681	1.3510	22.54%	2.63%	22.69%	8.6156	0.18390	3.06%
015.41	3	3	102.55	14.388	102.55	14.388	8.3067	14.03%	14.255	2.7611	14.519	13.90%	2.69%	14.16%	5.2586	3.2870	7.97%
015.42	1		91.900														
015.43	6	6	87.554	17.633	87.554	19.996	8.1632	22.84%	17.608	1.3160	17.657	20.11%	1.50%	20.17%	13.418	1.6135	8.16%
015.53	1		112.50														
017.41	1		12.285														
017.42	5	4	12.329	1.6039	12.329	1.6039	0.80194	13.01%	1.5862	0.33602	1.6214	12.87%	2.73%	13.15%	4.8252	0.96870	10.96%
017.43	6	5	8.8672	5.4657	9.7227	6.0315	2.4624	62.04%	5.4644	0.16687	5.4669	61.62%	1.88%	61.65%	32.762	0.29067	11.36%
019.00	11	9	2.5011	0.09806	2.5093	0.10885	0.03442	4.34%	0.09605	0.02795	0.10003	3.84%	1.12%	4.00%	3.5792	0.04240	3.48%
019.03	1		2.6040														
019.08	8	6	2.4809	0.03995	2.4843	0.04263	0.01611	1.72%	0.03813	0.01684	0.04168	1.54%	0.68%	1.68%	2.4760	0.03019	3.49%

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019.09	1		2.2630														
019.31	24	21	2.5130	0.10895	2.5170	0.10707	0.02233	4.25%	0.10450	0.04355	0.11321	4.16%	1.73%	4.51%	2.5995	0.05120	3.48%
019.32	5	4	2.6038	0.03449	2.6038	0.03449	0.01725	1.32%	0.02141	0.03824	0.04383	0.82%	1.47%	1.68%	1.1460	0.13400	3.46%
019.33	1		2.6600														
019.41	31	28	2.5353	0.13622	2.5329	0.13253	0.02420	5.23%	0.13355	0.03798	0.13885	5.27%	1.50%	5.48%	3.6554	0.04571	3.48%
019.42	23	20	2.5664	0.15747	2.5469	0.17391	0.03795	6.83%	0.15113	0.06255	0.16356	5.89%	2.44%	6.37%	2.6147	0.05762	3.47%
019.43	22	21	2.5220	0.14835	2.5137	0.14972	0.03267	5.96%	0.14006	0.06914	0.15620	5.55%	2.74%	6.19%	2.2592	0.07570	3.48%
019.44	3	3	2.4602	0.05764	2.4602	0.05764	0.03328	2.34%	0.04669	0.04780	0.06682	1.90%	1.94%	2.72%	1.3979	0.05100	3.49%
019.52	2	0															
019.53	2	0															
019.99	6	6	2.6150	0.31635	2.6150	0.35875	0.14646	13.72%	0.31343	0.06069	0.31925	11.99%	2.32%	12.21%	5.2603	0.07000	3.46%
021.31	3	3	2.1817	0.15893	2.1817	0.15893	0.09176	7.28%	0.14382	0.09566	0.17272	6.59%	4.38%	7.92%	1.8057	0.12333	14.22%
021.41	3	3	1.8493	0.46741	1.8493	0.46741	0.26986	25.28%	0.46628	0.04598	0.46854	25.21%	2.49%	25.34%	10.191	0.05450	14.58%
021.42	2	0															
021.43	7	6	2.0820	0.31227	2.1131	0.33650	0.12718	15.92%	0.31147	0.03150	0.31306	14.96%	1.51%	15.04%	9.9371	0.05793	14.29%
021.52	4	4	1.6713	0.66611	1.6713	0.66611	0.33306	39.86%	0.66461	0.06334	0.66762	39.77%	3.79%	39.95%	10.539	0.07750	14.81%
021.53	4	4	1.9227	0.23786	1.9227	0.23786	0.11893	12.37%	0.22701	0.10046	0.24824	11.81%	5.22%	12.91%	2.4711	0.11665	14.50%
022.31	13	12	21.783	2.0607	21.663	2.0096	0.58012	9.28%	2.0165	0.60092	2.1041	9.26%	2.76%	9.66%	3.5014	0.64500	10.07%
022.32	2	0															
022.33	2	0															
022.41	21	20	21.859	1.6577	21.865	1.5445	0.34535	7.06%	1.4757	1.0681	1.8216	6.75%	4.89%	8.33%	1.7056	1.2464	10.06%
022.42	20	17	22.169	1.9143	22.161	2.4622	0.56488	11.11%	1.8101	0.88125	2.0132	8.16%	3.98%	9.08%	2.2845	1.0855	10.04%
022.43	17	15	21.051	1.9177	21.062	1.8957	0.47393	9.00%	1.9026	0.33947	1.9327	9.04%	1.61%	9.18%	5.6933	0.54615	10.11%
022.44	1		22.250														
022.52	2	0															
022.53	1		22.450														
022.99	2	0															
023.01	1		8.0500														
025.31	15	13	223.60	13.643	225.65	16.772	4.4824	7.43%	13.518	2.6080	13.767	6.05%	1.17%	6.16%	5.2789	3.9207	7.08%
025.32	2	0															
025.33	1		66.950														
025.41	23	20	220.97	12.719	220.22	13.766	2.9349	6.25%	12.188	5.1413	13.228	5.52%	2.33%	5.99%	2.5729	5.8480	7.10%
025.42	17	14	215.43	25.709	213.16	26.699	6.6748	12.53%	25.160	7.4731	26.247	11.68%	3.47%	12.18%	3.5121	10.405	7.14%
025.43	18	16	213.92	13.399	215.57	15.483	3.6493	7.18%	13.089	4.0566	13.703	6.12%	1.90%	6.41%	3.3779	5.6867	7.13%
025.52	2	0															
025.53	1		229.50														
025.99	2	0															
027.31	17	14	0.37593	0.01665	0.37985	0.01855	0.00464	4.88%	0.01612	0.00591	0.01717	4.29%	1.57%	4.57%	2.9053	0.00751	4.63%
027.32	3	3	0.38833	0.02255	0.38833	0.02255	0.01302	5.81%	0.01414	0.02483	0.02858	3.64%	6.39%	7.36%	1.1508	0.02333	4.61%
027.33	1		0.42250														
027.41	23	23	0.38398	0.01440	0.38408	0.01567	0.00327	4.08%	0.01256	0.00998	0.01604	3.27%	2.60%	4.18%	1.6074	0.00992	4.62%
027.42	19	17	0.39322	0.01546	0.39152	0.01307	0.00300	3.34%	0.01463	0.00704	0.01624	3.72%	1.79%	4.13%	2.3065	0.00857	4.61%
027.43	18	16	0.37229	0.02931	0.37686	0.03002	0.00708	7.97%	0.02891	0.00686	0.02971	7.76%	1.84%	7.98%	4.3316	0.01245	4.63%

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027.44	3	2	0.38650	0.00778	0.38650	0.00778	0.00550	2.01%	0.00771	0.00141	0.00784	2.00%	0.37%	2.03%	5.5453	0.00867	4.61%
027.52	1		0.37235														
027.53	1		0.41500														
027.99	3	3	0.39500	0.03000	0.39500	0.03000	0.01732	7.59%	0.02843	0.01354	0.03149	7.20%	3.43%	7.97%	2.3257	0.01667	4.60%
028.31	14	13	135.56	9.6550	136.41	10.995	2.9386	8.06%	9.1884	4.1935	10.100	6.78%	3.09%	7.45%	2.4085	5.6221	7.63%
028.32	4	4	136.50	4.9833	136.50	4.9833	2.4917	3.65%	3.6686	4.7697	6.0173	2.69%	3.49%	4.41%	1.2616	6.0000	7.63%
028.41	23	21	131.79	9.0051	131.84	9.9924	2.0836	7.58%	8.7080	3.2445	9.2928	6.61%	2.46%	7.05%	2.8642	4.8680	7.67%
028.42	22	19	134.61	9.4150	136.76	11.201	2.4443	8.19%	9.1154	3.3318	9.7053	6.77%	2.48%	7.21%	2.9129	3.9625	7.63%
028.43	19	19	134.79	9.8914	135.02	10.684	2.4511	7.91%	9.5335	3.7285	10.237	7.07%	2.77%	7.59%	2.7455	4.0303	7.65%
028.44	2	0															
028.52	2	0															
028.53	1		142.50														
028.99	2	0															
031.00	1		0.93500														
031.01	42	39	0.85506	0.03463	0.85430	0.03529	0.00558	4.13%	0.03392	0.00988	0.03533	3.97%	1.16%	4.13%	3.5769	0.01152	4.10%
031.02	5	5	0.86532	0.00617	0.86532	0.00617	0.00276	0.71%	0.00354	0.00714	0.00797	0.41%	0.83%	0.92%	1.1161	0.00752	4.09%
031.03	4	4	0.84258	0.03809	0.84258	0.03809	0.01905	4.52%	0.03788	0.00569	0.03830	4.50%	0.67%	4.55%	6.7367	0.00770	4.10%
031.06	1		0.83000														
031.41	29	27	0.87156	0.04082	0.87100	0.04802	0.00892	5.51%	0.03766	0.02230	0.04376	4.32%	2.56%	5.02%	1.9627	0.02143	4.08%
031.42	22	20	0.86332	0.03445	0.86139	0.03269	0.00713	3.79%	0.03227	0.01708	0.03651	3.74%	1.98%	4.23%	2.1381	0.01857	4.09%
031.43	21	19	0.87328	0.04023	0.87657	0.04595	0.01027	5.24%	0.03927	0.01236	0.04117	4.50%	1.42%	4.71%	3.3301	0.01658	4.08%
031.44	3	3	0.86833	0.00539	0.86833	0.00539	0.00311	0.62%		0.00850			0.98%			0.00933	4.09%
031.52	1		0.78860														
031.53	2	0															
031.99	6	6	0.85250	0.03313	0.85250	0.03757	0.01534	4.41%	0.03098	0.01658	0.03514	3.63%	1.95%	4.12%	2.1192	0.01833	4.10%
032.02	1		1.2400														
032.31	19	18	1.3096	0.08827	1.3170	0.08364	0.01919	6.35%	0.08702	0.02094	0.08951	6.65%	1.60%	6.83%	4.2753	0.02573	3.84%
032.32	5	5	1.3200	0.06442	1.3200	0.06442	0.02881	4.88%	0.06348	0.01549	0.06535	4.81%	1.17%	4.95%	4.2180	0.01600	3.84%
032.41	28	25	1.3419	0.07559	1.3458	0.07334	0.01411	5.45%	0.07383	0.02293	0.07731	5.50%	1.71%	5.76%	3.3713	0.02337	3.82%
032.42	21	20	1.3971	0.08081	1.3846	0.08021	0.01750	5.79%	0.07988	0.01726	0.08172	5.72%	1.24%	5.85%	4.7352	0.01884	3.81%
032.43	19	18	1.3233	0.06835	1.3280	0.06544	0.01542	4.93%	0.06709	0.01850	0.06959	5.07%	1.40%	5.26%	3.7627	0.02122	3.83%
032.44	2	0															
032.52	2	0															
032.53	1		1.3700														
032.99	4	4	1.2849	0.18696	1.2849	0.18696	0.09348	14.55%	0.18652	0.01811	0.18740	14.52%	1.41%	14.59%	10.346	0.02375	3.85%
033.00	18	16	2.2007	0.06162	2.2108	0.06418	0.01557	2.90%	0.05596	0.03649	0.06680	2.54%	1.66%	3.04%	1.8308	0.03681	3.55%
033.01	28	26	2.2818	0.07005	2.2820	0.06491	0.01227	2.84%	0.06733	0.02735	0.07267	2.95%	1.20%	3.18%	2.6575	0.03010	3.53%
033.03	5	5	1.7230	0.32702	1.7230	0.32702	0.14625	18.98%	0.31799	0.10794	0.33581	18.46%	6.26%	19.49%	3.1112	0.09800	3.69%
033.05	3	3	2.1950	0.09260	2.1950	0.09260	0.05346	4.22%	0.09183	0.01683	0.09336	4.18%	0.77%	4.25%	5.5466	0.01667	3.55%
033.99	7	6	1.9826	0.30805	2.0179	0.33607	0.12702	16.65%	0.30712	0.03381	0.30898	15.49%	1.71%	15.58%	9.1375	0.05557	3.60%
034.01	3	2	1.5350	0.14849	1.5350	0.14849	0.10500	9.67%	0.14849	0.00000	0.14849	9.67%	0.00%	9.67%		0.03667	15.00%
034.04	3	3	1.5933	0.11504	1.5933	0.11504	0.06642	7.22%	0.09866	0.08367	0.12936	6.19%	5.25%	8.12%	1.5461	0.08667	14.91%
034.41	1		1.4985														

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034.42	1		2.0000														
034.43	1		1.5450														
034.52	4	4	1.4163	0.42462	1.4163	0.42462	0.21231	29.98%	0.42404	0.03142	0.42521	29.94%	2.22%	30.02%	13.531	0.04250	15.18%
034.53	5	4	1.7262	0.09355	1.7262	0.09355	0.04678	5.42%		0.18658			10.81%			2.1727	14.73%
034.99	3	3	1.3250	0.46414	1.3250	0.46414	0.26797	35.03%	0.46330	0.03937	0.46497	34.97%	2.97%	35.09%	11.810	0.05000	15.33%
035.01	2	0															
035.05	4	4	0.64263	0.07776	0.64263	0.07776	0.03888	12.10%	0.07689	0.01636	0.07861	11.96%	2.55%	12.23%	4.8053	0.02275	4.27%
035.31	15	13	0.59243	0.04136	0.59930	0.04843	0.01294	8.08%	0.04090	0.00872	0.04182	6.90%	1.47%	7.06%	4.7964	0.00813	4.32%
035.32	3	2	0.54750	0.07425	0.54750	0.07425	0.05250	13.56%	0.07416	0.00500	0.07433	13.55%	0.91%	13.58%	14.866	0.06333	4.38%
035.41	27	24	0.60621	0.03550	0.60333	0.03535	0.00680	5.86%	0.03447	0.01200	0.03650	5.69%	1.98%	6.02%	3.0414	0.01523	4.32%
035.42	17	15	0.61274	0.05521	0.60829	0.05446	0.01321	8.95%	0.05480	0.00942	0.05561	8.94%	1.54%	9.08%	5.9027	0.01315	4.31%
035.43	18	15	0.59769	0.02479	0.59614	0.02953	0.00716	4.95%	0.02154	0.01737	0.02767	3.60%	2.91%	4.63%	1.5930	0.01984	4.32%
035.52	1		0.61340														
035.53	2	0															
035.99	4	4	0.69875	0.12195	0.69875	0.12195	0.06098	17.45%	0.12142	0.01620	0.12249	17.38%	2.32%	17.53%	7.5603	0.01750	4.22%
036.04	4	4	0.31728	0.02726	0.31728	0.02726	0.01363	8.59%	0.02501	0.01535	0.02935	7.88%	4.84%	9.25%	1.9118	0.01590	4.75%
036.42	21	21	0.33059	0.03181	0.33012	0.03261	0.00712	9.88%	0.03145	0.00674	0.03216	9.51%	2.04%	9.73%	4.7713	0.00747	4.73%
036.43	11	11	0.34367	0.03277	0.34342	0.03663	0.01104	10.67%	0.03185	0.01091	0.03367	9.27%	3.18%	9.80%	3.0851	0.01196	4.70%
036.52	1		0.27405														
036.99	2	0															
037.31	15	13	286.16	15.337	285.91	15.118	4.0404	5.29%	15.116	3.6737	15.556	5.28%	1.28%	5.44%	4.2344	5.1293	6.83%
037.32	3	3	288.67	45.449	288.67	45.449	26.240	15.74%	41.224	27.062	49.313	14.28%	9.37%	17.08%	1.8222	32.667	6.82%
037.33	1		270.00														
037.41	24	23	284.64	16.615	284.72	18.363	3.7484	6.45%	15.504	8.4479	17.657	5.45%	2.97%	6.20%	2.0901	9.7956	6.83%
037.42	21	19	278.13	13.653	277.27	15.528	3.4722	5.60%	12.235	8.5668	14.936	4.40%	3.08%	5.37%	1.7435	8.9794	6.86%
037.43	19	17	277.64	19.203	280.11	21.627	5.0976	7.72%	19.031	3.6268	19.374	6.85%	1.31%	6.98%	5.3417	4.3222	6.85%
037.44	2	0															
037.52	2	0															
037.53	1		307.50														
037.99	3	3	278.67	34.009	278.67	34.009	19.635	12.20%	33.168	10.630	34.829	11.90%	3.81%	12.50%	3.2765	14.667	6.86%
038.41	2	0															
038.42	3	3	2.1829	0.50730	2.1829	0.50730	0.29289	23.24%	0.49585	0.15154	0.51849	22.72%	6.94%	23.75%	3.4216	0.15897	14.22%
038.43	7	6	2.4614	0.49989	2.4614	0.56687	0.23143	23.03%	0.49742	0.07024	0.50235	20.21%	2.85%	20.41%	7.1523	0.07797	13.97%
038.52	2	0															
038.53	4	3	2.5942	0.27286	2.5942	0.27286	0.15754	10.52%	0.25026	0.15377	0.29373	9.65%	5.93%	11.32%	1.9101	0.78283	13.86%
040.42	1		9.4550														
040.43	1		10.758														
040.52	1		7.5000														
040.53	1		9.1141														
041.43	1		0.36110														
041.52	1		1.0500														
041.53	1		0.43750														
042.00	1		1.4000														

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051.03	2																
054.01	10	9	21.623	2.2703	21.119	3.0275	0.95738	14.34%	2.1673	0.95620	2.3688	10.02%	4.42%	10.96%	2.4774	0.94747	10.11%
054.02	9	9	22.546	1.2638	22.573	1.3724	0.45747	6.08%	0.75437	1.4340	1.6203	3.35%	6.36%	7.19%	1.1299	1.3570	10.01%
054.99	1		26.550														
061.02	11	10	55.484	4.5671	54.592	5.9507	1.7942	10.90%	4.5172	0.95164	4.6164	8.14%	1.72%	8.32%	4.8510	0.87616	8.76%
061.03	8	7	59.505	4.0055	60.746	5.7896	2.0469	9.53%	3.6550	2.3176	4.3278	6.14%	3.89%	7.27%	1.8674	2.5413	8.62%
061.99	2	0															
073.00	1		97.800														
073.03	7	7	95.721	16.130	95.721	18.292	6.9136	19.11%	12.866	13.758	18.837	13.44%	14.37%	19.68%	1.3692	14.047	8.05%
073.04	4	4	90.713	8.0443	90.713	8.0443	4.0221	8.87%	6.5683	6.5678	9.2886	7.24%	7.24%	10.24%	1.4143	6.0250	8.12%
092.99	4	3	38.983	2.9939	38.983	2.9939	1.7285	7.68%	2.9901	0.21213	2.9976	7.67%	0.54%	7.69%	14.131	1.1175	9.22%
101.00	1		219.69														
101.01	1		853.00														
101.02	1		1,685.0														
102.01	1		745.50														
102.02	3	2	761.51	87.667	761.51	87.667	61.990	11.51%	87.013	15.116	88.316	11.43%	1.99%	11.60%	5.8425	100.25	5.89%
103.01	1		8.9550														
103.02	1		2.9300														
104.00	2	0															
104.03	4	4	1.9102	0.84203	1.9102	0.84203	0.42101	44.08%	0.84015	0.07939	0.84390	43.98%	4.16%	44.18%	10.630	0.09123	14.51%
105.00	4	4	5.6575	1.1248	5.6575	1.1248	0.56240	19.88%	1.1139	0.22096	1.1356	19.69%	3.91%	20.07%	5.1393	0.24000	12.32%
105.01	1		8.4400														
106.00	2	0															
106.01	2	0															
106.02	19	18	37.421	8.0135	38.216	9.6665	2.2176	25.29%	7.9471	1.4561	8.0794	21.24%	3.89%	21.59%	5.5486	1.8778	
108.01	2	0															
108.02	5	3	5.3900	0.95661	5.3900	0.95661	0.55230	17.75%	0.92635	0.33754	0.98593	17.19%	6.26%	18.29%	2.9209	1.0000	
108.99	1		5.7650														
109.02	21	19	243.14	58.419	247.32	55.851	12.489	22.58%	58.096	8.6741	58.740	23.89%	3.57%	24.16%	6.7719	9.9561	
109.99	1		93.500														
112.01	1		5.3800														
113.01	1		1.2800														
114.01	1		0.43150														
115.00	7	6	1.2662	1.3064	1.2662	1.4814	0.60478	117.00%	1.3062	0.02528	1.3065	103.16%	2.00%	103.18%	51.672	0.02718	3.86%
120.00	16	16	1.1601	0.04828	1.1572	0.03275	0.00819	2.83%	0.04763	0.01122	0.04893	4.11%	0.97%	4.22%	4.3592	0.01320	3.91%
120.01	1		1.0405														
120.02	1		1.1890														
120.05	3	3	1.1408	0.05270	1.1408	0.05270	0.03043	4.62%	0.04795	0.03090	0.05705	4.20%	2.71%	5.00%	1.8462	0.03567	3.92%
121.00	16	15	2.0973	0.06870	2.0917	0.06571	0.01643	3.14%	0.06760	0.01729	0.06978	3.22%	0.82%	3.33%	4.0367	0.01754	3.58%
121.01	1		2.1700														
121.02	1		2.1030														
121.05	3	3	2.1312	0.04247	2.1312	0.04247	0.02452	1.99%		0.08029			3.77%			0.10033	3.57%
122.00	16	14	2.2961	0.08192	2.2796	0.07711	0.01991	3.38%	0.08044	0.02194	0.08337	3.50%	0.96%	3.63%	3.7997	0.02506	3.53%

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122.01	1		2.1070														
122.02	1		2.3700														
122.05	3	3	2.3020	0.03158	2.3020	0.03158	0.01823	1.37%		0.05462			2.37%			0.07000	3.53%
124.00	17	14	0.38816	0.03069	0.37928	0.03347	0.00837	8.82%	0.03057	0.00391	0.03082	7.88%	1.01%	7.94%	7.8888	0.00502	4.63%
124.01	1		0.36250														
124.02	1		0.41050														
124.05	2	0															
125.00	16	15	4.5956	0.19919	4.5598	0.20492	0.05123	4.49%	0.19596	0.05049	0.20236	4.26%	1.10%	4.40%	4.0083	0.05381	3.18%
125.01	1		4.4285														
125.02	1		4.6050														
125.05	3	3	4.4888	0.15694	4.4888	0.15694	0.09061	3.50%	0.13594	0.11091	0.17544	3.03%	2.47%	3.91%	1.5819	0.13967	3.19%
126.00	16	15	1.2531	0.04204	1.2455	0.04314	0.01078	3.46%	0.04081	0.01428	0.04324	3.26%	1.14%	3.45%	3.0281	0.01693	3.87%
126.01	1		1.1345														
126.02	1		1.2875														
126.05	3	3	1.2415	0.01033	1.2415	0.01033	0.00597	0.83%		0.02894			2.33%			0.03500	3.87%
127.00	15	14	0.63919	0.02056	0.64212	0.02478	0.00640	3.86%	0.01999	0.00675	0.02110	3.13%	1.06%	3.30%	3.1278	0.00903	4.28%
127.01	1		0.65200														
127.02	1		0.64700														
127.05	3	3	0.65767	0.01328	0.65767	0.01328	0.00767	2.02%	0.00400	0.01791	0.01835	0.61%	2.72%	2.79%	1.0246	0.01933	4.26%
128.00	16	14	0.89683	0.02922	0.89101	0.02965	0.00766	3.33%	0.02809	0.01141	0.03031	3.13%	1.27%	3.38%	2.6575	0.01304	4.07%
128.01	1		0.92400														
128.02	1		0.90900														
128.05	3	2	0.92500	0.00000	0.92500	0.00000	0.00000	0.00%		0.02550			2.76%			0.02133	4.05%
129.00	16	14	1.6836	0.04587	1.6754	0.04869	0.01257	2.91%	0.04464	0.01496	0.04708	2.65%	0.89%	2.80%	3.1464	0.01805	3.70%
129.01	1		1.6260														
129.02	1		1.7330														
129.05	3	2	1.6590	0.05091	1.6590	0.05091	0.03600	3.07%	0.05079	0.00500	0.05103	3.06%	0.30%	3.08%	10.207	0.03000	3.71%
130.00	17	17	1.2076	0.06557	1.2101	0.06850	0.01661	5.66%	0.06472	0.01483	0.06640	5.36%	1.23%	5.50%	4.4766	0.01606	3.89%
130.01	1		1.1440														
130.02	1		1.2575														
130.05	4	4	1.1830	0.04570	1.1830	0.04570	0.02285	3.86%	0.04192	0.02574	0.04919	3.54%	2.18%	4.16%	1.9112	0.02750	3.90%
131.00	17	15	0.34656	0.01324	0.34818	0.01626	0.00406	4.67%	0.00990	0.01242	0.01589	2.86%	3.58%	4.58%	1.2788	0.01309	4.69%
131.01	1		0.33400														
131.02	2	0															
131.05	2	0															
132.00	16	13	1.1980	0.03940	1.1951	0.03665	0.00946	3.07%	0.03871	0.01036	0.04007	3.23%	0.86%	3.34%	3.8691	0.01508	3.89%
132.01	1		1.1595														
132.02	1		1.2330														
132.05	3	3	1.1988	0.03700	1.1988	0.03700	0.02136	3.09%	0.03085	0.02889	0.04227	2.57%	2.41%	3.53%	1.4629	0.02767	3.89%
133.00	16	14	1.2971	0.05747	1.2935	0.06946	0.01736	5.37%	0.05333	0.03029	0.06133	4.11%	2.34%	4.73%	2.0246	0.03928	3.85%
133.05	3	3	1.3098	0.01351	1.3098	0.01351	0.00780	1.03%	0.00914	0.01408	0.01678	0.70%	1.07%	1.28%	1.1922	0.01567	3.84%
134.00	16	16	1.1178	0.08287	1.1175	0.07489	0.01872	6.70%	0.08184	0.01844	0.08389	7.32%	1.65%	7.50%	4.5499	0.02032	3.93%
134.01	1		1.1305														

Method Code	Total # Labs Submitting	# Labs in Method Precision Calcs	Mean	SD	Assigned Value - Robust Mean	AAFCO 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
134.02	1		1.0925														
134.05	3	3	1.1247	0.01845	1.1247	0.01845	0.01065	1.64%	0.00577	0.02478	0.02544	0.51%	2.20%	2.26%	1.0268	0.03267	3.93%
135.00	17	17	0.85379	0.04877	0.85622	0.03980	0.00965	4.65%	0.04808	0.01157	0.04945	5.63%	1.36%	5.79%	4.2739	0.01370	4.09%
135.01	1		0.85300														
135.02	1		0.82750														
135.05	3	3	0.87167	0.02754	0.87167	0.02754	0.01590	3.16%	0.02450	0.01778	0.03027	2.81%	2.04%	3.47%	1.7029	0.02133	4.08%
136.00	5	4	0.30459	0.03071	0.30459	0.03071	0.01535	10.08%	0.03006	0.00888	0.03134	9.87%	2.92%	10.29%	3.5284	0.01774	4.78%
136.01	2	0															
136.02	1		0.30400														
136.03	4	4	0.31250	0.00531	0.31250	0.00531	0.00265	1.70%	0.00213	0.00687	0.00720	0.68%	2.20%	2.30%	1.0470	0.00700	4.76%
136.99	2	0															
137.00	10	10	0.69500	0.09059	0.69524	0.10220	0.03232	14.70%	0.09039	0.00846	0.09078	13.01%	1.22%	13.06%	10.736	0.01047	4.22%
137.01	1		0.74500														
137.02	1		0.75450														
137.05	3	3	0.72367	0.10193	0.72367	0.10193	0.05885	14.09%	0.10136	0.01528	0.10250	14.01%	2.11%	14.16%	6.7104	0.02000	4.20%
138.00	16	15	1.1141	0.07185	1.1155	0.06512	0.01681	5.84%	0.07112	0.01446	0.07257	6.38%	1.30%	6.51%	5.0173	0.01681	3.93%
138.01	1		1.2025														
138.02	1		1.1655														
138.05	3	3	1.1765	0.04262	1.1765	0.04262	0.02461	3.62%	0.03997	0.02092	0.04512	3.40%	1.78%	3.83%	2.1570	0.02167	3.90%
139.00	2	0															
139.02	1		0.00000														
160.99	4	4	0.66113	0.76766	0.66113	0.76766	0.38383	116.11%	0.76294	0.12027	0.77236	115.40%	18.19%	116.83%	6.4217	0.11375	4.26%
162.99	4	3	0.25633	0.13858	0.25633	0.13858	0.08001	54.06%	0.13853	0.00548	0.13864	54.04%	2.14%	54.08%	25.312	0.01800	4.91%
163.99	1		0.06000														
164.99	1		0.00000														
165.99	5	3	2.5047	0.25547	2.5047	0.25547	0.14750	10.20%	0.25519	0.01705	0.25576	10.19%	0.68%	10.21%	15.001	0.06040	3.48%
166.99	3	3	1.3465	0.27428	1.3465	0.27428	0.15836	20.37%	0.26816	0.08150	0.28027	19.92%	6.05%	20.81%	3.4391	0.08433	3.82%
167.99	3	3	1.1673	0.18933	1.1673	0.18933	0.10931	16.22%	0.18786	0.03336	0.19079	16.09%	2.86%	16.34%	5.7198	0.03533	3.91%
373.03	1		129.17														
400.01	3	3	0.53675	0.01237	0.53675	0.01237	0.00714	2.30%	0.01089	0.00830	0.01369	2.03%	1.55%	2.55%	1.6497	0.00837	
400.99	2	0															
516.00	1		0.13550														
516.52	3	3	0.13850	0.04800	0.13850	0.04800	0.02771	34.66%	0.04742	0.01056	0.04858	34.24%	7.62%	35.08%	4.6006	0.01433	21.54%
516.53	5	5	0.15238	0.05121	0.15238	0.05121	0.02290	33.61%	0.05031	0.01355	0.05210	33.01%	8.90%	34.19%	3.8437	0.01732	21.23%
518.41	3	3	0.07742	0.01006	0.07742	0.01006	0.00581	13.00%	0.00838	0.00788	0.01150	10.83%	10.17%	14.86%	1.4602	0.00883	22.00%
518.43	1		0.03885														
518.52	2	0															
518.53	5	5	0.09351	0.00557	0.09351	0.00557	0.00249	5.96%	0.00454	0.00456	0.00644	4.86%	4.88%	6.89%	1.4113	0.00554	22.00%
520.41	2	0															
520.43	2	0															
520.52	1		2.2000														
520.53	3	3	2.2864	0.73425	2.2864	0.73425	0.42392	32.11%	0.64408	0.49856	0.81450	28.17%	21.81%	35.62%	1.6337	0.51253	14.12%
520.99	1		3.6055														

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526.31	1		1.3850														
526.41	1		0.35000														
526.43	1		0.69440														
526.52	3	3	0.28583	0.15645	0.28583	0.15645	0.09033	54.74%	0.15618	0.01297	0.15672	54.64%	4.54%	54.83%	12.085	0.01433	19.31%
526.53	5	4	0.32254	0.03447	0.32254	0.03447	0.01724	10.69%	0.03090	0.02161	0.03771	9.58%	6.70%	11.69%	1.7453	0.38218	18.97%
529.99	1		10.000														
539.41	2	0															
539.43	1		2.8651														
539.52	1		2.9000														
539.53	2	0															