

# AAFCO Check Sample Program

Methods Report

Sort by Method

Proficiency For Individual Methods

Sample # 201027

Lamb Starter, Medicated



# AAFCO

Association of American Feed Control Officials

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)
000.01	1		1.3000													
001.00	15	12	11.0171	0.6297	10.9972	0.5483	0.1119	4.99%	0.6282	0.0610	0.6312	5.70%	0.55%	5.73%	10.3426	0.0664
001.03	6	6	10.7616	0.7595	11.0057	0.2646	0.0764	2.40%	0.7546	0.1210	0.7643	7.01%	1.12%	7.10%	6.3170	0.1349
001.05	1		11.0200													
001.07	40	38	10.7724	1.2179	11.0265	0.3087	0.0354	2.80%	1.2135	0.1461	1.2223	11.27%	1.36%	11.35%	8.3649	0.1318
001.08	1		11.0300													
001.99	17	15	11.0703	0.6265	11.1889	0.3891	0.0710	3.48%	0.6223	0.1028	0.6307	5.62%	0.93%	5.70%	6.1350	0.1162
002.00	5	5	20.6260	0.1590	20.6260	0.1590	0.0503	0.77%	0.1325	0.1243	0.1817	0.64%	0.60%	0.88%	1.4615	0.1720
002.01	12	12	20.4206	0.1576	20.4244	0.1643	0.0335	0.80%	0.1233	0.1389	0.1857	0.60%	0.68%	0.91%	1.3372	0.1310
002.02	8	8	21.0549	1.2729	20.7038	0.5911	0.1478	2.86%	1.2714	0.0885	1.2744	6.04%	0.42%	6.05%	14.4049	0.0930
002.03	1		20.1300													
002.04	8	7	20.4393	0.3610	20.4692	0.3491	0.0933	1.71%	0.3581	0.0648	0.3639	1.75%	0.32%	1.78%	5.6203	0.0729
002.05	22	22	20.4183	0.7702	20.5261	0.3921	0.0591	1.91%	0.7623	0.1551	0.7779	3.73%	0.76%	3.81%	5.0146	0.1514
002.06	218	147	20.6745	0.4607	20.6760	0.3315	0.0193	1.60%	0.4378	0.2030	0.4826	2.12%	0.98%	2.33%	2.3768	0.2043
002.08	3	3	20.7163	0.1100	20.7163	0.1100	0.0449	0.53%	0.0778	0.1100	0.1348	0.38%	0.53%	0.65%	1.2250	0.1315
002.10	9	9	20.4048	0.6046	20.5440	0.1775	0.0418	0.86%	0.5937	0.1620	0.6154	2.91%	0.79%	3.02%	3.7995	0.1826
002.11	15	15	19.8950	0.9303	19.6254	0.3883	0.0709	1.98%	0.9270	0.1113	0.9336	4.66%	0.56%	4.69%	8.3921	0.1246
002.99	2	2	20.5675	0.6894												
003.00	25	24	2.7152	0.3942	2.7467	0.2014	0.0291	7.33%	0.3899	0.0817	0.3984	14.36%	3.01%	14.67%	4.8741	0.0834
003.01	1		2.1700													
003.06	24	24	2.6605	0.2245	2.6608	0.2245	0.0324	8.44%	0.2201	0.0626	0.2288	8.27%	2.35%	8.60%	3.6540	0.0626
003.09	28	28	2.7346	0.1881	2.7272	0.1853	0.0248	6.79%	0.1830	0.0619	0.1932	6.69%	2.26%	7.06%	3.1224	0.0644
003.10	36	35	2.5212	0.3912	2.5077	0.1478	0.0177	5.89%	0.3446	0.2619	0.4328	13.67%	10.39%	17.17%	1.6528	0.1480
003.11	14	14	2.5545	0.2064	2.5638	0.1927	0.0364	7.52%	0.2055	0.0280	0.2074	8.04%	1.10%	8.12%	7.3940	0.0258
003.12	5	5	2.6490	0.1607	2.6490	0.1607	0.0508	6.07%	0.1523	0.0726	0.1687	5.75%	2.74%	6.37%	2.3236	0.0780
003.13	7	7	2.5708	0.1828	2.6377	0.0844	0.0226	3.20%	0.1670	0.1053	0.1974	6.50%	4.09%	7.68%	1.8755	0.1050
003.14	22	21	2.5096	0.2761	2.4389	0.1774	0.0274	7.27%	0.2678	0.0948	0.2841	10.67%	3.78%	11.32%	2.9974	0.0995

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 %/sd	Reproducibility %RSD	sR/sr	Average Range (R-bar)
003.99	12	9	2.4444	0.5333	2.5350	0.4455	0.1050	17.57%	0.5090	0.2248	0.5565	20.82%	9.20%	22.77%	2.4752	0.2244
004.00	30	30	5.8067	0.5960	5.8448	0.4513	0.0583	7.72%	0.5850	0.1612	0.6068	10.07%	2.78%	10.45%	3.7637	0.1702
004.01	2	2	6.6600	0.1980												
004.03	2	2	6.8244	0.1281												
004.06	33	32	6.1174	0.3807	6.0823	0.3222	0.0403	5.30%	0.3704	0.1243	0.3907	6.06%	2.03%	6.39%	3.1441	0.1298
004.07	49	47	5.7732	0.5111	5.7916	0.3441	0.0355	5.94%	0.5037	0.1231	0.5185	8.72%	2.13%	8.98%	4.2119	0.1249
004.11	14	14	5.4114	0.7011	5.4114	0.7950	0.1502	14.69%	0.6882	0.1890	0.7137	12.72%	3.49%	13.19%	3.7752	0.2044
004.99	4	4	7.0063	2.3739	7.0063	2.3739	0.8393	33.88%	2.3723	0.1247	2.3755	33.86%	1.78%	33.91%	19.0424	0.1025
005.00	198	136	6.7739	0.3009	6.8136	0.2241	0.0136	3.29%	0.2932	0.0956	0.3084	4.33%	1.41%	4.55%	3.2263	0.0889
005.01	1		6.8450													
005.02	2	2	6.4975	0.6894												
005.03	1		6.8900													
005.05	17	16	6.9620	0.4825	6.9903	0.2429	0.0429	3.47%	0.4816	0.0426	0.4835	6.92%	0.61%	6.94%	11.3515	0.0454
005.11	10	9	7.5644	0.6509	7.6414	0.4998	0.1178	6.54%	0.6487	0.0756	0.6531	8.58%	1.00%	8.63%	8.6336	0.0822
005.99	10	10	6.9423	0.3113	6.9949	0.2118	0.0474	3.03%	0.3067	0.0752	0.3158	4.42%	1.08%	4.55%	4.1983	0.0757
008.02	13	13	7.9312	0.7301	7.8769	0.6055	0.1188	7.69%	0.7123	0.2265	0.7474	8.98%	2.86%	9.42%	3.2994	0.2285
008.05	1		7.9500													
008.08	28	27	7.6406	0.5489	7.6721	0.4449	0.0605	5.80%	0.5317	0.1929	0.5656	6.96%	2.52%	7.40%	2.9319	0.2031
008.99	3	3	7.8683	1.2206	7.8683	1.2206	0.4983	15.51%	1.2077	0.2500	1.2333	15.35%	3.18%	15.67%	4.9339	0.2567
009.04	1		17.4350													
009.07	9	8	17.4694	0.8828	17.5632	0.8038	0.2009	4.58%	0.8475	0.3492	0.9167	4.85%	2.00%	5.25%	2.6249	0.3437
009.09	22	22	16.1430	0.9437	16.1596	0.7186	0.1083	4.45%	0.9168	0.3159	0.9697	5.68%	1.96%	6.01%	3.0694	0.3255
009.99	3	3	15.9533	3.2942	15.9533	3.2942	1.3449	20.65%	3.2815	0.4099	3.3070	20.57%	2.57%	20.73%	8.0682	0.3733
010.03	3	3	9.8519	2.7450	9.8519	2.7450	1.1207	27.86%	2.7284	0.4269	2.7616	27.69%	4.33%	28.03%	6.4696	0.4851
010.11	13	12	10.9937	0.3328	10.9860	0.1794	0.0366	1.63%	0.3282	0.0780	0.3374	2.99%	0.71%	3.07%	4.3266	0.0930
010.99	18	18	11.1301	0.5893	11.1549	0.3524	0.0587	3.16%	0.5643	0.2403	0.6133	5.07%	2.16%	5.51%	2.5527	0.2239
011.01	152	85	12.0574	0.4894	12.0849	0.3757	0.0288	3.11%	0.4830	0.1116	0.4957	4.01%	0.93%	4.11%	4.4403	0.1106
011.02	1		11.5900													
011.99	4	4	11.1025	0.8900	11.1025	0.8900	0.3147	8.02%	0.8885	0.0730	0.8915	8.00%	0.66%	8.03%	12.2166	0.0650
012.00	7	7	31.2129	0.7183	31.1564	0.3690	0.0986	1.18%	0.6915	0.2752	0.7442	2.22%	0.88%	2.38%	2.7046	0.2857
012.01	3	3	26.8200	0.9575	26.8200	0.9575	0.3909	3.57%	0.9175	0.3873	0.9959	3.42%	1.44%	3.71%	2.5711	0.5000
012.03	2	2	28.0175	0.8238												
012.04	5	5	29.2600	2.3954	29.2600	2.3954	0.7575	8.19%	2.3823	0.3536	2.4084	8.14%	1.21%	8.23%	6.8120	0.4360
012.11	8	8	32.8069	0.9652	32.8609	0.9916	0.2479	3.02%	0.8988	0.4973	1.0272	2.74%	1.52%	3.13%	2.0655	0.4563
012.99	1		30.7500													
013.00	9	9	3.6806	0.4269	3.7394	0.3336	0.0786	8.92%	0.4089	0.1732	0.4441	11.11%	4.71%	12.07%	2.5642	0.2122
013.02	93	32	3.8171	0.5690	3.8391	0.4432	0.0554	11.54%	0.5577	0.1596	0.5801	14.61%	4.18%	15.20%	3.6353	0.1458
013.03	1		2.5603													

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013.10	15	14	2.9188	0.9194	3.1164	0.5241	0.0991	16.82%	0.9072	0.2114	0.9315	31.08%	7.24%	31.91%	4.4054	0.2142
013.11	2	2	3.0650	0.3182												
013.12	2	2	2.7475	0.0813												
013.13	1		3.8900													
015.41	3	3	104.6417	17.8518	104.6417	17.8518	7.2879	17.06%	17.7156	3.1120	17.9869	16.93%	2.97%	17.19%	5.7798	3.4433
015.42	3	3	109.9167	30.1313	109.9167	30.1313	12.3011	27.41%	29.8387	5.9241	30.4211	27.15%	5.39%	27.68%	5.1351	7.1200
015.43	3	3	102.9417	25.1017	102.9417	25.1017	10.2477	24.38%	23.9533	10.6149	26.1999	23.27%	10.31%	25.45%	2.4682	10.2500
015.52	1		129.5000													
016.00	1		0.0655													
017.31	1		10.8500													
017.41	2	2	10.4400	0.1273												
017.42	2	2	10.8750	0.3889												
017.43	3	3	10.8867	1.0728	10.8867	1.0728	0.4380	9.85%	1.0327	0.4109	1.1114	9.49%	3.77%	10.21%	2.7049	0.4600
018.52	1		0.0790													
019.00	13	12	1.2391	0.1188	1.2241	0.0611	0.0125	4.99%	0.1183	0.0148	0.1192	9.55%	1.19%	9.62%	8.0745	0.0148
019.01	1		1.1900													
019.03	5	5	1.1688	0.0668	1.1688	0.0668	0.0211	5.72%	0.0627	0.0326	0.0707	5.36%	2.79%	6.05%	2.1679	0.0402
019.08	11	11	1.1913	0.0398	1.1913	0.0451	0.0096	3.79%	0.0388	0.0123	0.0407	3.26%	1.03%	3.42%	3.3173	0.0130
019.31	36	35	1.1777	0.0624	1.1710	0.0412	0.0049	3.52%	0.0609	0.0192	0.0639	5.17%	1.63%	5.42%	3.3176	0.0203
019.32	10	10	1.2014	0.0915	1.2044	0.0744	0.0166	6.18%	0.0898	0.0251	0.0932	7.47%	2.09%	7.76%	3.7194	0.0253
019.33	2	2	1.2175	0.0389												
019.41	44	41	1.1838	0.0488	1.1825	0.0329	0.0036	2.79%	0.0451	0.0263	0.0522	3.81%	2.22%	4.41%	1.9882	0.0269
019.42	23	23	1.2100	0.0803	1.2017	0.0590	0.0087	4.91%	0.0737	0.0451	0.0864	6.09%	3.72%	7.14%	1.9164	0.0470
019.43	12	11	1.1747	0.0827	1.1798	0.0828	0.0177	7.02%	0.0818	0.0171	0.0836	6.97%	1.45%	7.12%	4.8988	0.0208
019.52	2	2	1.2028	0.0385												
019.53	1		1.1050													
019.99	4	4	1.1111	0.2118	1.1111	0.2118	0.0749	19.06%	0.2103	0.0356	0.2133	18.93%	3.20%	19.20%	5.9929	0.0290
020.31	1		2.0000													
020.32	1		14.3350													
020.41	2	2	1.8401	0.1554												
020.42	3	3	1.8933	0.7390	1.8933	0.7390	0.3017	39.03%	0.7338	0.1234	0.7441	38.76%	6.52%	39.30%	6.0291	0.1533
020.43	3	3	1.7658	0.8589	1.7658	0.8589	0.3506	48.64%	0.8492	0.1819	0.8685	48.09%	10.30%	49.18%	4.7756	0.1950
020.52	1		3.3000													
020.99	1		2.4700													
021.31	5	5	1.1790	0.8426	1.1790	0.8426	0.2664	71.47%	0.8378	0.1275	0.8474	71.06%	10.81%	71.87%	6.6475	0.0900
021.32	1		2.1851													
021.33	1		0.6075													
021.41	3	3	0.8253	0.0246	0.8253	0.0246	0.0101	2.98%		0.0411			4.99%			0.0392

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021.42	6	6	0.7503	0.1544	0.7437	0.1625	0.0469	21.85%	0.1502	0.0508	0.1585	20.01%	6.78%	21.13%	3.1183	0.0633
021.43	3	3	1.0300	0.4300	1.0300	0.4300	0.1755	41.75%	0.4298	0.0183	0.4302	41.73%	1.77%	41.77%	23.5627	0.0200
021.52	1		0.9650													
021.99	1		0.9862													
022.31	22	22	11.7009	1.5265	11.5385	1.0990	0.1657	9.52%	1.4758	0.5519	1.5756	12.61%	4.72%	13.47%	2.8547	0.5791
022.32	4	4	11.8342	3.0947	11.8342	3.0947	1.0942	26.15%	3.0176	0.9712	3.1700	25.50%	8.21%	26.79%	3.2639	0.9399
022.41	30	28	10.4899	1.2254	10.3772	1.1135	0.1488	10.73%	1.1552	0.5781	1.2918	11.01%	5.51%	12.31%	2.2345	0.4857
022.42	19	18	10.9233	1.0936	10.7561	0.5062	0.0844	4.71%	1.0423	0.4683	1.1427	9.54%	4.29%	10.46%	2.4399	0.4933
022.43	10	9	10.7143	1.8099	10.3670	1.1188	0.2637	10.79%	1.7396	0.7065	1.8776	16.24%	6.59%	17.52%	2.6577	0.6699
022.52	1		12.0500													
022.53	1		10.2500													
022.99	2	2	11.9490	0.4512												
023.01	2	2	0.0006	0.0001												
025.31	23	22	226.7373	21.1286	225.4613	21.0917	3.1797	9.35%	20.8752	4.6141	21.3791	9.21%	2.04%	9.43%	4.6334	4.5500
025.32	3	3	249.1631	55.4852	249.1631	55.4852	22.6517	22.27%	55.4771	1.3376	55.4932	22.27%	0.54%	22.27%	41.4881	1.4347
025.41	34	33	209.5121	23.3159	213.0734	6.4790	0.7975	3.04%	22.9939	5.4614	23.6336	10.97%	2.61%	11.28%	4.3274	4.9358
025.42	24	24	191.1533	35.5821	197.0792	22.0100	3.1769	11.17%	35.2632	6.7224	35.8982	18.45%	3.52%	18.78%	5.3401	7.0492
025.43	10	10	208.7942	26.7761	212.5469	17.4600	3.9042	8.21%	25.9712	9.2147	27.5575	12.44%	4.41%	13.20%	2.9906	7.8414
025.52	1		238.0000													
025.99	2	2	214.9517	3.8160												
026.31	1		0.3500													
026.52	1		0.2345													
026.99	1		0.0000													
027.31	22	22	0.2438	0.0191	0.2444	0.0142	0.0021	5.81%	0.0189	0.0042	0.0194	7.76%	1.71%	7.95%	4.6541	0.0043
027.32	6	6	0.2329	0.0178	0.2411	0.0062	0.0018	2.58%	0.0175	0.0041	0.0180	7.52%	1.78%	7.73%	4.3473	0.0039
027.41	32	31	0.2498	0.0197	0.2452	0.0089	0.0011	3.64%	0.0192	0.0064	0.0203	7.70%	2.55%	8.11%	3.1794	0.0060
027.42	21	20	0.2450	0.0180	0.2431	0.0084	0.0013	3.47%	0.0173	0.0067	0.0186	7.07%	2.72%	7.58%	2.7833	0.0060
027.43	9	8	0.2476	0.0357	0.2436	0.0111	0.0028	4.56%	0.0356	0.0039	0.0358	14.38%	1.57%	14.47%	9.2288	0.0037
027.52	1		0.2557													
027.53	1		0.2325													
027.99	1		0.2426													
028.31	21	20	105.4708	4.6742	105.5776	4.3679	0.6906	4.14%	4.4226	2.1394	4.9129	4.19%	2.03%	4.66%	2.2964	2.4935
028.32	4	4	109.5242	1.5592	109.5242	1.5592	0.5513	1.42%		3.6607			3.34%			3.7716
028.41	33	32	106.5090	8.8059	104.9697	3.7115	0.4639	3.54%	8.6606	2.2530	8.9489	8.13%	2.12%	8.40%	3.9719	2.4339
028.42	22	22	107.4909	12.6324	108.9692	4.9448	0.7455	4.54%	12.2707	4.2442	12.9840	11.42%	3.95%	12.08%	3.0592	4.4860
028.43	12	12	106.7535	5.5047	106.9443	4.7429	0.9681	4.43%	4.5147	4.4541	6.3420	4.23%	4.17%	5.94%	1.4239	5.1128
028.52	1		112.0000													
028.53	1		102.5000													

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 %/scl	Reproducibility %RSD	sR/sr	Average Range (R-bar)
028.99	2	2	108.1762	1.5927												
031.00	1		0.5566													
031.01	59	57	0.5718	0.0346	0.5674	0.0233	0.0022	4.10%	0.0341	0.0084	0.0351	5.96%	1.48%	6.14%	4.1613	0.0081
031.02	3	3	0.5594	0.0010	0.5594	0.0010	0.0004	0.19%	0.0008	0.0009	0.0012	0.15%	0.16%	0.22%	1.3560	0.0007
031.03	8	7	0.5740	0.0305	0.5688	0.0220	0.0059	3.86%	0.0294	0.0113	0.0315	5.12%	1.97%	5.48%	2.7880	0.0134
031.04	1		0.4950													
031.06	2	2	0.5825	0.0672												
031.41	41	39	0.5643	0.0240	0.5631	0.0207	0.0023	3.67%	0.0229	0.0100	0.0250	4.07%	1.77%	4.43%	2.5106	0.0100
031.42	23	22	0.5748	0.0601	0.5657	0.0275	0.0041	4.86%	0.0589	0.0170	0.0613	10.25%	2.95%	10.66%	3.6150	0.0173
031.43	12	11	0.5561	0.0317	0.5573	0.0152	0.0032	2.73%	0.0312	0.0081	0.0322	5.60%	1.46%	5.79%	3.9664	0.0082
031.52	1		0.5676													
031.53	1		0.5550													
031.99	6	6	0.5683	0.0304	0.5630	0.0218	0.0063	3.87%	0.0295	0.0108	0.0314	5.18%	1.90%	5.52%	2.9057	0.0100
032.02	7	7	1.2110	0.0608	1.2079	0.0342	0.0091	2.83%	0.0339	0.0713	0.0789	2.80%	5.89%	6.52%	1.1074	0.0683
032.31	21	20	1.1645	0.0730	1.1682	0.0612	0.0097	5.24%	0.0725	0.0127	0.0736	6.22%	1.09%	6.32%	5.7921	0.0127
032.32	4	4	1.1950	0.0324	1.1950	0.0324	0.0115	2.71%	0.0289	0.0206	0.0355	2.42%	1.73%	2.97%	1.7235	0.0250
032.41	32	30	1.1818	0.0686	1.1837	0.0401	0.0052	3.39%	0.0653	0.0297	0.0717	5.52%	2.51%	6.07%	2.4132	0.0288
032.42	20	19	1.1637	0.1682	1.1942	0.0488	0.0079	4.09%	0.1667	0.0320	0.1697	14.32%	2.75%	14.59%	5.3091	0.0341
032.43	8	8	1.1850	0.0608	1.1965	0.0245	0.0061	2.05%	0.0599	0.0146	0.0617	5.06%	1.23%	5.20%	4.2152	0.0169
032.52	1		1.2341													
032.53	1		1.2100													
032.99	1		1.2131													
033.00	27	26	1.2494	0.1000	1.2289	0.0546	0.0076	4.44%	0.0975	0.0317	0.1025	7.80%	2.53%	8.20%	3.2371	0.0312
033.01	39	38	1.2590	0.0603	1.2606	0.0239	0.0027	1.90%	0.0596	0.0133	0.0610	4.73%	1.05%	4.85%	4.6022	0.0120
033.03	9	9	1.0867	0.1648	1.0890	0.1818	0.0429	16.70%	0.1615	0.0465	0.1680	14.86%	4.28%	15.46%	3.6102	0.0511
033.05	2	2	1.2200	0.0283												
033.99	9	8	1.0302	0.3359	1.1157	0.2158	0.0540	19.34%	0.3359	0.0089	0.3360	32.60%	0.86%	32.61%	37.7254	0.0104
034.01	2	2	0.5015	0.0304												
034.04	6	6	0.5004	0.0576	0.5064	0.0536	0.0155	10.59%	0.0551	0.0238	0.0600	11.01%	4.75%	11.99%	2.5222	0.0288
034.41	1		0.7335													
034.42	2	2	0.5123	0.0951												
034.52	2	2	0.4795	0.0997												
034.53	1		0.4995													
034.99	4	4	0.3622	0.2413	0.3622	0.2413	0.0853	66.62%	0.2412	0.0104	0.2414	66.59%	2.88%	66.65%	23.1790	0.0121
035.01	2	2	0.2350	0.0141												
035.05	9	9	0.2387	0.0424	0.2268	0.0143	0.0034	6.33%	0.0420	0.0082	0.0428	17.58%	3.42%	17.91%	5.2329	0.0089
035.31	22	22	0.2178	0.0293	0.2144	0.0222	0.0033	10.35%	0.0292	0.0043	0.0295	13.40%	1.99%	13.55%	6.7933	0.0045
035.32	6	5	0.2253	0.0114	0.2253	0.0114	0.0036	5.08%	0.0110	0.0043	0.0118	4.89%	1.91%	5.25%	2.7478	0.0041

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 %/sd	Reproducibility %RSD	sR/sr	Average Range (R-bar)
035.41	35	34	0.2446	0.1565	0.2132	0.0090	0.0011	4.23%	0.1563	0.0103	0.1567	63.92%	4.22%	64.06%	15.1918	0.0078
035.42	18	17	0.2195	0.0279	0.2109	0.0103	0.0018	4.90%	0.0268	0.0109	0.0290	12.22%	4.96%	13.19%	2.6619	0.0105
035.43	9	9	0.2212	0.0391	0.2127	0.0199	0.0047	9.35%	0.0389	0.0048	0.0392	17.59%	2.19%	17.73%	8.1077	0.0056
035.52	1		0.2277													
035.53	1		0.2065													
035.99	1		0.2209													
036.00	2	2	0.3125	0.1025												
036.04	1		0.2350													
036.42	17	17	0.2239	0.0176	0.2248	0.0126	0.0022	5.61%	0.0173	0.0043	0.0179	7.75%	1.94%	7.99%	4.1134	0.0046
036.43	9	8	0.2206	0.0191	0.2233	0.0151	0.0038	6.76%	0.0191	0.0021	0.0192	8.64%	0.95%	8.70%	9.1759	0.0021
036.99	1		0.2640													
037.31	23	23	144.6135	15.8791	143.5459	12.5144	1.8451	8.72%	15.7514	2.8420	16.0057	10.89%	1.97%	11.07%	5.6318	2.9287
037.32	4	4	151.0780	7.7550	151.0780	7.7550	2.7418	5.13%	6.7315	5.4454	8.6583	4.46%	3.60%	5.73%	1.5900	6.4095
037.41	35	34	146.3393	11.7204	146.4286	10.9158	1.3237	7.45%	11.0362	5.5802	12.3668	7.54%	3.81%	8.45%	2.2162	5.0804
037.42	23	22	147.4544	13.7896	148.7044	10.7440	1.6197	7.23%	13.1760	5.7525	14.3770	8.94%	3.90%	9.75%	2.4992	5.8807
037.43	11	10	148.8845	21.6968	145.5265	14.8280	3.3156	10.19%	21.6773	1.3007	21.7163	14.56%	0.87%	14.59%	16.6965	1.4368
037.52	1		142.0000													
037.53	1		148.5000													
037.99	2	2	146.8090	5.6087												
038.31	1		3.0000													
038.41	1		2.1400													
038.42	4	4	2.2521	0.4880	2.2521	0.4880	0.1725	21.67%	0.4780	0.1390	0.4978	21.22%	6.17%	22.10%	3.5819	0.1808
038.43	7	7	2.2961	1.0440	2.5886	0.1042	0.0279	4.03%	1.0238	0.2892	1.0639	44.59%	12.60%	46.33%	3.6786	0.2673
038.52	1		2.5900													
039.31	1		1.7500													
039.41	1		1.7913													
039.42	2	2	2.1835	0.1153												
039.43	1		2.2940													
039.52	1		2.5600													
040.42	1		8.0050													
040.43	1		7.6065													
054.01	12	12	7.0949	2.3702	6.5227	0.5475	0.1118	8.39%	2.3643	0.2375	2.3762	33.32%	3.35%	33.49%	10.0046	0.2521
054.02	1		6.7850													
061.03	1		6.4950													
104.00	1		2.9500													
105.00	1		1.6575													
106.00	1		5.2000													
106.02	15	15	5.6141	2.2610	5.6010	1.3790	0.2518	24.62%	2.2329	0.5025	2.2887	39.77%	8.95%	40.77%	4.5549	0.5065

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)
108.02	2	2	2.2725	2.0895												
109.02	10	10	58.5980	16.8692	59.0051	10.0414	2.2453	17.02%	16.7188	3.1791	17.0183	28.53%	5.43%	29.04%	5.3532	3.0918
120.00	14	13	0.9616	0.0326	0.9603	0.0223	0.0044	2.32%	0.0314	0.0124	0.0337	3.26%	1.29%	3.51%	2.7227	0.0142
120.05	2	2	0.9033	0.0979												
120.99	1		0.8900													
121.00	14	14	1.2529	0.0568	1.2561	0.0584	0.0110	4.65%	0.0529	0.0292	0.0604	4.22%	2.33%	4.82%	2.0692	0.0334
121.05	2	2	1.2788	0.0371												
121.99	1		1.1750													
122.00	14	14	1.9903	0.0709	1.9889	0.0690	0.0130	3.47%	0.0615	0.0497	0.0791	3.09%	2.50%	3.98%	1.5910	0.0536
122.05	2	2	1.9493	0.0767												
122.99	1		1.9250													
124.00	12	11	0.3137	0.0434	0.3057	0.0232	0.0049	7.57%	0.0431	0.0077	0.0437	13.73%	2.45%	13.94%	5.6966	0.0074
124.02	1		0.2750													
124.05	1		0.3765													
124.99	1		0.2350													
125.00	14	14	3.5140	0.1687	3.4876	0.1182	0.0223	3.39%	0.1597	0.0769	0.1772	4.54%	2.19%	5.04%	2.3058	0.0860
125.05	2	2	3.3830	0.0537												
125.99	1		3.4100													
126.00	14	13	0.8483	0.0344	0.8451	0.0292	0.0057	3.46%	0.0320	0.0177	0.0366	3.78%	2.09%	4.32%	2.0673	0.0175
126.05	2	2	0.8678	0.0180												
126.99	1		0.8500													
127.00	14	14	0.5152	0.0326	0.5128	0.0327	0.0062	6.38%	0.0313	0.0130	0.0339	6.08%	2.52%	6.58%	2.6076	0.0138
127.05	2	2	0.4900	0.0262												
127.99	1		0.505													
128.00	14	14	0.7746893	0.0453853	0.775175	0.0430406	0.008134	5.55%	0.0424041	0.022879	0.0481824	5.47%	2.95%	6.22%	2.105986	0.024621
128.05	2	2	0.72575	0.095813												
128.99	1		0.74													
129.00	14	14	1.5341286	0.0611856	1.5322	0.0478171	0.009037	3.12%	0.0578371	0.028233	0.0643601	3.77%	1.84%	4.20%	2.279621	0.030743
129.05	2	2	1.50575	0.0555079												
129.99	1		1.42													
130.00	15	15	1.02107	0.0701737	1.0201	0.0531707	0.009708	5.21%	0.0686247	0.020736	0.0716892	6.72%	2.03%	7.02%	3.457174	0.02358
130.05	2	2	1.0095	0.0912168												
130.99	1		0.87													
131.00	13	13	0.2742231	0.0238875	0.2770684	0.0209151	0.004102	7.55%	0.0232857	0.007535	0.0244745	8.49%	2.75%	8.93%	3.248133	0.009108
131.02	1		0.29													
131.05	2	2	0.26475	0.076014												
131.99	1		0.225													
132.00	14	14	0.9392893	0.0645225	0.9320314	0.0387578	0.007325	4.16%	0.0606262	0.031229	0.0681966	6.45%	3.32%	7.26%	2.183781	0.031579

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132.05	1		0.912													
132.99	1		1.125													
133.00	13	13	1.1160692	0.0814508	1.1041696	0.0622328	0.012205	5.64%	0.0763651	0.040065	0.0862371	6.84%	3.59%	7.73%	2.152422	0.039523
133.05	2	2	1.152	0.0113137												
133.99	1		1.155													
134.00	14	13	0.9435269	0.0519574	0.9351923	0.0233789	0.004585	2.50%	0.0504063	0.01782	0.0534636	5.34%	1.89%	5.67%	3.000192	0.017454
134.05	2	2	0.96075	0.0067175												
134.99	1		0.895													
135.00	14	14	0.7390071	0.0379823	0.7352857	0.0328989	0.006217	4.47%	0.0353075	0.019801	0.0404807	4.78%	2.68%	5.48%	2.044413	0.022343
135.05	2	2	0.7335	0.0127279												
135.99	1		0.72													
136.00	2	2	0.23275	0.0463155												
136.01	5	5	0.2437	0.0184479	0.2437	0.0184479	0.005834	7.57%	0.018395	0.001975	0.0185007	7.55%	0.81%	7.59%	9.368181	0.0018
136.03	1		0.2735													
136.99	2	2	0.23	0												
137.00	10	9	0.6104444	0.0592444	0.6214364	0.0447367	0.010545	7.20%	0.0583354	0.014621	0.0601398	9.56%	2.40%	9.85%	4.113206	0.018444
137.05	2	2	0.564	0.0961665												
137.99	1		0.64													
138.00	14	13	0.9152308	0.0546853	0.9239615	0.0321499	0.006305	3.48%	0.052518	0.021557	0.05677	5.74%	2.36%	6.20%	2.633516	0.024308
138.05	2	2	0.839	0.1117229												
138.99	1		0.88													
139.00	1		0.065													
140.01	1		0.012													
141.00	1		0.009													
142.00	1		0.073													
300.20	1		0.11													