

**AAFCO Check Sample Program**  
**All Methods Report**



**Proficiency For Individual Methods**  
**Sample # 201524**  
**Goat Feed, Medicated**  
**Regular Program**

**# Labs Reporting: 214**  
**Issue Date : 05/31/2015**

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	1		1.3000														
001.00	5	5	7.9710	0.24123	7.9710	0.24123	0.10788	3.03%	0.22693	0.11572	0.25473	2.85%	1.45%	3.20%	2.2014	0.12600	2.93%
001.03	10	9	8.0722	0.23923	8.0515	0.11999	0.02683	1.49%	0.23891	0.01764	0.23956	2.96%	0.22%	2.97%	13.582	0.03000	2.92%
001.05	1		7.9600														
001.07	39	33	7.9590	0.38215	7.9917	0.30043	0.03492	3.76%	0.37907	0.06846	0.38520	4.76%	0.86%	4.84%	5.6267	0.09808	2.93%
001.08	1		8.0700														
001.99	21	18	8.1123	0.52221	8.0084	0.52972	0.08376	6.61%	0.51508	0.12164	0.52925	6.35%	1.50%	6.52%	4.3511	0.14749	2.92%
002.00	3	2	18.498	0.81671	18.498	0.81671	0.57750	4.42%	0.81670	0.00500	0.81672	4.42%	0.03%	4.42%	163.34	0.14667	2.33%
002.01	13	11	17.975	0.24995	18.018	0.31780	0.06487	1.76%	0.24709	0.05332	0.25277	1.37%	0.30%	1.41%	4.7409	0.05659	2.36%
002.02	4	4	17.849	0.66671	17.849	0.66671	0.33336	3.74%	0.66316	0.09714	0.67024	3.72%	0.54%	3.76%	6.8996	0.11038	2.37%
002.03	1		15.445														
002.04	5	5	17.792	0.51984	17.792	0.51984	0.23248	2.92%	0.51368	0.11287	0.52593	2.89%	0.63%	2.96%	4.6595	0.13200	2.37%
002.05	38	35	17.885	0.23646	17.880	0.18999	0.02209	1.06%	0.23245	0.06137	0.24041	1.30%	0.34%	1.34%	3.9173	0.07719	2.36%
002.06	136	124	18.238	0.28055	18.236	0.26421	0.01626	1.45%	0.26499	0.13031	0.29529	1.45%	0.71%	1.62%	2.2662	0.15565	2.34%
002.08	2	0															
002.10	1		18.190														
002.11	6	5	18.436	0.15147	18.420	0.09432	0.02723	0.51%	0.14503	0.06181	0.15765	0.79%	0.34%	0.86%	2.5507	0.06500	2.33%
002.99	3	3	18.103	0.17214	18.103	0.17214	0.09939	0.95%	0.13952	0.14259	0.19950	0.77%	0.79%	1.10%	1.3991	0.19333	2.35%
003.00	16	14	3.1846	0.33805	3.2066	0.35625	0.06298	11.11%	0.33400	0.07380	0.34206	10.49%	2.32%	10.74%	4.6349	0.11688	3.36%
003.06	19	18	3.0481	0.17882	3.0403	0.17168	0.02861	5.65%	0.17393	0.05876	0.18358	5.71%	1.93%	6.02%	3.1243	0.06611	3.38%
003.09	25	22	3.0293	0.22003	3.0463	0.22013	0.03177	7.23%	0.21707	0.05088	0.22296	7.17%	1.68%	7.36%	4.3816	0.07927	3.38%
003.10	30	28	2.8633	0.18031	2.8223	0.15834	0.02044	5.61%	0.16798	0.09269	0.19185	5.87%	3.24%	6.70%	2.0699	0.10962	3.42%
003.11	5	5	2.8310	0.39938	2.8310	0.39938	0.17861	14.11%	0.39887	0.02846	0.39989	14.09%	1.01%	14.13%	14.051	0.03000	3.42%
003.12	9	8	2.9419	0.24262	2.8553	0.11841	0.02960	4.15%	0.24252	0.00968	0.24272	8.24%	0.33%	8.25%	25.068	0.01125	3.42%
003.13	12	11	3.0664	0.19171	3.1101	0.19270	0.03933	6.20%	0.17931	0.09592	0.20335	5.85%	3.13%	6.63%	2.1200	0.11875	3.37%
003.14	40	35	3.0192	0.25539	2.9821	0.28102	0.03224	9.42%	0.24781	0.08734	0.26275	8.21%	2.89%	8.70%	3.0084	0.11963	3.39%
003.99	3	0														0.01000	
004.00	23	20	13.952	0.57699	13.962	0.66582	0.10038	4.77%	0.56980	0.12840	0.58408	4.08%	0.92%	4.19%	4.5489	0.25835	2.68%
004.01	2	0															
004.03	4	4	12.955	2.1468	12.955	2.1468	1.0734	16.57%	2.1313	0.36438	2.1622	16.45%	2.81%	16.69%	5.9339	0.41000	2.72%
004.06	32	29	13.975	0.75389	13.991	0.57874	0.07350	4.14%	0.74369	0.17481	0.76396	5.32%	1.25%	5.47%	4.3702	0.18771	2.67%
004.07	60	55	13.410	0.71159	13.433	0.67622	0.06279	5.03%	0.69516	0.21504	0.72766	5.18%	1.60%	5.43%	3.3839	0.22862	2.71%

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004.11	4	3	11.535	2.1684	11.535	2.1684	1.2519	18.80%	2.1683	0.02677	2.1685	18.80%	0.23%	18.80%	81.002	0.10750	2.77%
004.99	4	4	13.755	1.3803	13.755	1.3803	0.69015	10.03%	1.3741	0.18486	1.3865	9.99%	1.34%	10.08%	7.4999	0.20500	2.70%
005.00	101	96	7.5926	0.18134	7.5940	0.17784	0.01270	2.34%	0.17803	0.04876	0.18459	2.34%	0.64%	2.43%	3.7855	0.05715	2.95%
005.05	29	26	7.7719	0.10121	7.7658	0.10859	0.01451	1.40%	0.09951	0.02617	0.10289	1.28%	0.34%	1.32%	3.9323	0.03357	2.94%
005.11	5	4	7.8588	1.2945	7.8588	1.2945	0.64725	16.47%	1.2943	0.02979	1.2947	16.47%	0.38%	16.47%	43.458	0.07800	2.93%
005.99	9	7	7.6736	0.13127	7.6419	0.17118	0.04280	2.24%	0.12769	0.04301	0.13474	1.66%	0.56%	1.76%	3.1327	0.12750	2.95%
006.00	2	0															
006.01	1		3.5500														
006.03	1		13.950														
006.99	5	5	3.7597	1.9131	3.7597	1.9131	0.85558	50.89%	1.9111	0.12602	1.9152	50.83%	3.35%	50.94%	15.198	0.15260	3.28%
008.02	11	9	18.362	0.53854	18.422	0.68400	0.14583	3.71%	0.53545	0.08141	0.54161	2.92%	0.44%	2.95%	6.6527	0.11364	2.33%
008.05	1		18.700														
008.08	31	29	17.474	1.2167	17.438	1.2838	0.16574	7.36%	1.1970	0.30809	1.2360	6.85%	1.76%	7.07%	4.0119	0.37937	2.39%
008.99	1		15.235														
009.04	1		33.930														
009.07	8	8	32.453	1.7400	32.455	1.9681	0.49203	6.06%	1.7313	0.24571	1.7486	5.33%	0.76%	5.39%	7.1165	0.29915	1.76%
009.09	32	30	31.205	1.7351	31.281	1.7828	0.22285	5.70%	1.7119	0.40000	1.7580	5.49%	1.28%	5.63%	4.3951	0.46077	1.79%
009.99	3	3	30.298	3.7214	30.298	3.7214	2.1485	12.28%	3.7183	0.21420	3.7244	12.27%	0.71%	12.29%	17.387	0.25000	1.82%
010.03	3	3	7.6850	0.15256	7.6850	0.15256	0.08808	1.99%		0.25577			3.33%			0.23667	2.94%
010.11	7	6	7.7933	2.3571	8.1050	1.8163	0.52433	22.41%	2.3567	0.05508	2.3574	30.24%	0.71%	30.25%	42.802	0.06667	2.92%
010.99	13	13	8.0497	0.38078	8.0497	0.43181	0.08468	5.36%	0.36289	0.16312	0.39787	4.51%	2.03%	4.94%	2.4392	0.16174	2.92%
011.01	73	67	8.9792	0.51015	9.0320	0.48498	0.04070	5.37%	0.50194	0.12890	0.51823	5.59%	1.44%	5.77%	4.0205	0.16095	2.87%
011.02	2	0															
011.03	1		7.7850														
011.99	4	4	8.7050	0.17059	8.7050	0.17059	0.08529	1.96%	0.16500	0.06124	0.17600	1.90%	0.70%	2.02%	2.8740	0.07500	2.89%
012.00	14	12	19.661	0.53575	19.640	0.40065	0.07857	2.04%	0.52179	0.17178	0.54934	2.65%	0.87%	2.79%	3.1979	0.14154	2.26%
012.01	7	6	16.969	0.60120	17.160	0.49176	0.13143	2.87%	0.50404	0.46345	0.68472	2.97%	2.73%	4.04%	1.4774	0.44966	2.41%
012.02	2	0															
012.03	4	4	18.735	0.80273	18.735	0.80273	0.40137	4.28%	0.77287	0.30680	0.83153	4.13%	1.64%	4.44%	2.7104	0.37000	2.31%
012.04	4	4	17.751	1.9477	17.751	1.9477	0.97386	10.97%	1.9404	0.23783	1.9550	10.93%	1.34%	11.01%	8.2200	0.29800	2.37%
012.11	3	3	22.943	4.4431	22.943	4.4431	2.5652	19.37%	4.4424	0.10924	4.4437	19.36%	0.48%	19.37%	40.679	0.14000	2.09%
012.99	1		22.325														
013.00	19	17	3.8350	0.48795	3.8629	0.49544	0.08257	12.83%	0.48238	0.10396	0.49345	12.58%	2.71%	12.87%	4.7468	0.13012	3.26%
013.02	28	27	4.3571	0.42995	4.3474	0.46362	0.06309	10.66%	0.42170	0.11855	0.43804	9.68%	2.72%	10.05%	3.6950	0.12941	3.21%
013.08	1		2.1222														
013.10	9	9	3.5317	0.56532	3.5170	0.61561	0.14510	17.50%	0.55143	0.17609	0.57887	15.61%	4.99%	16.39%	3.2873	0.19489	3.31%
013.12	1		4.6950														
013.13	5	5	4.3031	0.40609	4.3031	0.40609	0.18161	9.44%	0.31740	0.35824	0.47862	7.38%	8.33%	11.12%	1.3360	0.42812	3.21%
015.41	6	6	207.64	25.500	207.64	28.917	8.3476	13.93%	24.833	8.1949	26.150	11.96%	3.95%	12.59%	3.1910	9.0450	7.17%
015.42	1		194.25														
015.43	7	6	197.87	30.551	197.87	34.645	10.001	17.51%	30.513	2.1431	30.588	15.42%	1.08%	15.46%	14.273	2.2583	7.22%
017.41	2	0															
017.42	3	3	12.482	0.77863	12.482	0.77863	0.44954	6.24%		1.4185			11.36%			1.7500	10.94%

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017.43	7	6	12.238	0.77187	12.328	0.66633	0.19235	5.41%	0.74723	0.27356	0.79573	6.11%	2.24%	6.50%	2.9088	0.30333	10.96%
017.52	1		13.000														
019.00	20	17	0.96688	0.08782	0.98194	0.05497	0.00892	5.60%	0.08696	0.01735	0.08867	8.99%	1.79%	9.17%	5.1110	0.02445	4.01%
019.03	1		1.0730														
019.08	8	7	0.98871	0.04426	0.99025	0.04727	0.01263	4.77%	0.04307	0.01438	0.04541	4.36%	1.45%	4.59%	3.1584	0.01686	4.01%
019.09	1		1.1960														
019.31	29	26	0.98027	0.03367	0.97969	0.02538	0.00345	2.59%	0.03260	0.01193	0.03471	3.33%	1.22%	3.54%	2.9095	0.01499	4.01%
019.32	5	5	1.0232	0.05389	1.0232	0.05389	0.02410	5.27%	0.05209	0.01950	0.05562	5.09%	1.91%	5.44%	2.8529	0.02022	3.99%
019.41	39	36	0.98142	0.04106	0.98076	0.04547	0.00522	4.64%	0.03717	0.02465	0.04461	3.79%	2.51%	4.54%	1.8092	0.02387	4.01%
019.42	22	20	1.0004	0.05597	1.0073	0.05940	0.00917	5.90%	0.05475	0.01646	0.05717	5.47%	1.65%	5.71%	3.4724	0.01798	4.00%
019.43	22	20	0.98852	0.05011	0.98879	0.06284	0.00947	6.36%	0.04872	0.01659	0.05147	4.93%	1.68%	5.21%	3.1021	0.02361	4.01%
019.44	2	0															
019.52	3	3	1.0700	0.07000	1.0700	0.07000	0.04041	6.54%	0.03786	0.08327	0.09147	3.54%	7.78%	8.55%	1.0985	0.08000	3.96%
019.53	1		0.67950														
019.99	6	4	0.94813	0.05375	0.96350	0.05787	0.01830	6.01%	0.05369	0.00355	0.05381	5.66%	0.37%	5.68%	15.144	0.01220	4.02%
021.31	4	4	4.1325	0.70797	4.1325	0.70797	0.35399	17.13%	0.70636	0.06745	0.70958	17.09%	1.63%	17.17%	10.519	0.09500	12.92%
021.41	4	4	3.5262	0.62063	3.5262	0.62063	0.31032	17.60%	0.61987	0.04352	0.62139	17.58%	1.23%	17.62%	14.278	0.05568	13.23%
021.42	1		3.2400														
021.43	5	5	3.7000	0.51671	3.7000	0.51671	0.23108	13.97%	0.47808	0.27723	0.55265	12.92%	7.49%	14.94%	1.9935	0.32988	13.14%
021.52	3	3	2.6667	0.02887	2.6667	0.02887	0.01667	1.08%		0.14922			5.60%			0.18667	13.80%
021.53	2	0															
022.31	20	18	18.445	2.0775	17.828	1.2972	0.21044	7.28%	2.0356	0.58669	2.1185	11.04%	3.18%	11.49%	3.6109	0.62895	10.37%
022.32	5	4	20.690	1.9989	20.690	1.9989	0.99947	9.66%	1.8160	1.1816	2.1665	8.78%	5.71%	10.47%	1.8336	1.2480	10.14%
022.33	3	2	16.530	1.2657	16.530	1.2657	0.89500	7.66%	1.2581	0.19558	1.2733	7.61%	1.18%	7.70%	6.5103	1.3733	10.49%
022.41	31	29	17.867	1.7374	17.807	1.4166	0.17991	7.96%	1.5209	1.1878	1.9297	8.51%	6.65%	10.80%	1.6246	1.2404	10.37%
022.42	20	18	18.698	1.8428	18.800	2.0017	0.32472	10.65%	1.7814	0.66700	1.9022	9.53%	3.57%	10.17%	2.8519	0.64947	10.29%
022.43	20	19	17.897	1.8139	17.859	1.2270	0.19400	6.87%	1.7778	0.50963	1.8494	9.93%	2.85%	10.33%	3.6289	0.64717	10.37%
022.44	1		17.150														
022.52	4	4	19.813	1.5462	19.813	1.5462	0.77308	7.80%	1.4620	0.71151	1.6260	7.38%	3.59%	8.21%	2.2852	0.97500	10.21%
022.53	1		16.750														
022.99	2	0															
025.31	16	14	308.31	21.502	305.59	14.074	2.4879	4.61%	20.358	9.7849	22.588	6.60%	3.17%	7.33%	2.3084	10.776	6.76%
025.32	2	0															
025.33	2	0															
025.41	31	29	296.70	14.673	295.93	13.579	1.7530	4.59%	14.052	5.9726	15.269	4.74%	2.01%	5.15%	2.5565	6.7685	6.79%
025.42	17	16	264.36	36.957	268.43	32.929	5.8210	12.27%	36.447	8.6493	37.460	13.79%	3.27%	14.17%	4.3309	9.5563	6.89%
025.43	19	18	287.90	32.257	285.79	31.953	5.1834	11.18%	31.669	8.6698	32.835	11.00%	3.01%	11.40%	3.7872	7.9128	6.83%
025.52	3	3	253.73	37.879	253.73	37.879	21.869	14.93%	29.058	34.365	45.003	11.45%	13.54%	17.74%	1.3096	38.067	6.95%
025.99	2	0															
027.31	20	19	0.31297	0.01356	0.31416	0.01218	0.00193	3.88%	0.01273	0.00662	0.01435	4.07%	2.12%	4.58%	2.1667	0.00681	4.76%
027.32	3	2	0.30258	0.01757	0.30258	0.01757	0.01242	5.81%	0.01698	0.00637	0.01814	5.61%	2.11%	6.00%	2.8468	5.6726	4.79%
027.33	1		0.31500														
027.41	33	31	0.32121	0.01602	0.32129	0.01600	0.00200	4.98%	0.01553	0.00556	0.01650	4.84%	1.73%	5.14%	2.9694	0.00638	4.75%

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027.42	19	16	0.32101	0.01270	0.32157	0.01477	0.00246	4.59%	0.01072	0.00961	0.01440	3.34%	2.99%	4.49%	1.4982	0.01107	4.74%
027.43	18	16	0.31031	0.02017	0.30947	0.02130	0.00365	6.88%	0.01969	0.00616	0.02064	6.35%	1.98%	6.65%	3.3503	0.00509	4.77%
027.44	2	0															
027.52	2	0															
027.99	3	0														0.00000	
028.31	15	14	110.36	5.9309	110.88	6.3105	1.1521	5.69%	5.6901	2.3657	6.1623	5.16%	2.14%	5.58%	2.6049	2.9440	7.88%
028.32	3	3	106.24	17.310	106.24	17.310	9.9940	16.29%	17.266	1.7440	17.354	16.25%	1.64%	16.34%	9.9505	1.8333	7.93%
028.33	2	0															
028.41	30	29	112.86	5.9921	112.58	5.4959	0.70952	4.88%	5.8575	1.7857	6.1237	5.19%	1.58%	5.43%	3.4293	1.9144	7.86%
028.42	20	19	116.07	6.8364	116.68	5.5454	0.89958	4.75%	6.4220	3.3148	7.2270	5.53%	2.86%	6.23%	2.1803	3.4763	7.82%
028.43	19	17	110.73	8.3621	109.82	6.0708	1.0118	5.53%	8.2322	2.0760	8.4899	7.43%	1.87%	7.67%	4.0895	2.1447	7.89%
028.44	2	0															
028.52	2	0															
028.99	2	0															
031.00	2	0															
031.01	50	48	0.63423	0.02876	0.63511	0.02038	0.00204	3.21%	0.02710	0.01360	0.03032	4.27%	2.14%	4.78%	2.2291	0.01462	4.28%
031.02	4	3	0.64560	0.00819	0.64560	0.00819	0.00473	1.27%		0.01474			2.28%			0.01550	4.27%
031.03	5	4	0.63124	0.01069	0.63124	0.01069	0.00534	1.69%	0.00259	0.01467	0.01489	0.41%	2.32%	2.36%	1.0154	0.41030	4.29%
031.06	2	0															
031.41	38	35	0.63539	0.03148	0.63738	0.02546	0.00296	3.99%	0.03086	0.00883	0.03210	4.86%	1.39%	5.05%	3.6334	0.01009	4.28%
031.42	22	20	0.63908	0.02677	0.63517	0.02307	0.00356	3.63%	0.02404	0.01665	0.02925	3.76%	2.61%	4.58%	1.7562	0.02072	4.28%
031.43	21	18	0.63248	0.02731	0.63315	0.02575	0.00407	4.07%	0.02691	0.00657	0.02770	4.25%	1.04%	4.38%	4.2134	0.00830	4.28%
031.44	2	0															
031.52	1		0.66385														
031.99	6	5	0.63780	0.03408	0.62705	0.04567	0.01318	7.28%	0.02520	0.03246	0.04109	3.95%	5.09%	6.44%	1.2659	0.03067	4.29%
032.02	1		1.2550														
032.08	1		1.3260														
032.31	20	18	1.2107	0.10722	1.2052	0.10786	0.01705	8.95%	0.10618	0.02104	0.10824	8.77%	1.74%	8.94%	5.1442	0.01967	3.89%
032.32	3	2	1.1583	0.13895	1.1583	0.13895	0.09825	12.00%	0.13891	0.00450	0.13898	11.99%	0.39%	12.00%	30.885	0.02633	3.91%
032.41	29	26	1.2443	0.06628	1.2470	0.07172	0.00958	5.75%	0.06540	0.01517	0.06714	5.26%	1.22%	5.40%	4.4256	0.01790	3.87%
032.42	19	18	1.2630	0.08396	1.2509	0.05372	0.00895	4.29%	0.08104	0.03105	0.08679	6.42%	2.46%	6.87%	2.7954	0.03258	3.87%
032.43	16	13	1.2214	0.03876	1.2183	0.04391	0.00802	3.60%	0.03709	0.01590	0.04035	3.04%	1.30%	3.30%	2.5386	0.01957	3.88%
032.44	2	0															
032.52	2	0															
032.99	3	3	1.1500	0.13481	1.1500	0.13481	0.07784	11.72%	0.13463	0.01000	0.13500	11.71%	0.87%	11.74%	13.500	0.01333	3.92%
033.00	31	28	1.6956	0.08395	1.6999	0.07475	0.00965	4.40%	0.08253	0.02175	0.08535	4.87%	1.28%	5.03%	3.9244	0.02507	3.69%
033.01	33	29	1.8045	0.03215	1.7985	0.02295	0.00292	1.28%	0.03102	0.01194	0.03324	1.72%	0.66%	1.84%	2.7830	0.01274	3.66%
033.03	7	7	1.4736	0.20357	1.4734	0.23046	0.06159	15.64%	0.20165	0.03937	0.20546	13.68%	2.67%	13.94%	5.2187	0.03571	3.77%
033.05	3	0														0.05500	
033.99	12	12	1.6899	0.22486	1.6987	0.21818	0.04454	12.84%	0.22327	0.03770	0.22643	13.21%	2.23%	13.40%	6.0058	0.04117	3.69%
034.01	3	2	0.66500	0.10607	0.66500	0.10607	0.07500	15.95%	0.10606	0.00100	0.10607	15.95%	0.15%	15.95%	106.07	0.00700	17.01%
034.04	6	5	0.65500	0.09301	0.65500	0.09301	0.02941	14.20%	0.09211	0.01817	0.09389	14.06%	2.77%	14.33%	5.1684	0.02200	17.05%
034.41	1		0.65600														

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034.43	1		1.0664														
034.52	7	6	0.76833	0.07219	0.73793	0.01495	0.00399	2.03%	0.05759	0.06156	0.08430	7.50%	8.01%	10.97%	1.3694	0.06029	16.75%
034.53	5	5	0.72127	0.15721	0.72127	0.15721	0.07031	21.80%	0.15431	0.04250	0.16005	21.39%	5.89%	22.19%	3.7656	0.05090	16.80%
034.99	2	0															
035.01	3	3	0.55250	0.04468	0.55250	0.04468	0.02579	8.09%	0.04453	0.00508	0.04482	8.06%	0.92%	8.11%	8.8184	0.00700	4.37%
035.05	5	4	0.54463	0.03652	0.54463	0.03652	0.01826	6.71%	0.03633	0.00526	0.03671	6.67%	0.97%	6.74%	6.9847	0.01420	4.38%
035.31	23	22	0.55927	0.04034	0.54844	0.01754	0.00259	3.20%	0.03919	0.01352	0.04146	7.01%	2.42%	7.41%	3.0672	0.01581	4.38%
035.32	3	2	0.49398	0.05512	0.49398	0.05512	0.03897	11.16%	0.05500	0.00515	0.05524	11.13%	1.04%	11.18%	10.718	2.6708	4.45%
035.41	38	35	0.54513	0.02857	0.54553	0.03137	0.00365	5.75%	0.02772	0.00980	0.02940	5.08%	1.80%	5.39%	2.9992	0.01188	4.38%
035.42	20	18	0.55981	0.02804	0.56005	0.02616	0.00424	4.67%	0.02485	0.01837	0.03090	4.44%	3.28%	5.52%	1.6823	0.01837	4.36%
035.43	17	16	0.53556	0.04064	0.53509	0.04405	0.00756	8.23%	0.03986	0.01117	0.04140	7.44%	2.09%	7.73%	3.7061	0.01351	4.39%
035.52	2	0															
035.99	4	3	0.56500	0.04924	0.56500	0.04924	0.02843	8.72%	0.04848	0.01225	0.05000	8.58%	2.17%	8.85%	4.0825	0.01000	4.36%
036.04	4	4	0.38580	0.01760	0.38580	0.01760	0.00880	4.56%	0.01619	0.00978	0.01891	4.20%	2.54%	4.90%	1.9334	0.00895	4.62%
036.42	22	19	0.39511	0.02136	0.39285	0.02180	0.00336	5.55%	0.02042	0.00886	0.02226	5.17%	2.24%	5.63%	2.5128	0.01492	4.60%
036.43	8	7	0.38431	0.01912	0.38210	0.01664	0.00445	4.35%	0.01824	0.00809	0.01996	4.75%	2.10%	5.19%	2.4672	0.00797	4.62%
036.99	2	0															
037.31	19	17	152.62	7.2927	153.32	8.1658	1.3610	5.33%	6.9829	2.9745	7.5900	4.58%	1.95%	4.97%	2.5517	3.8239	7.50%
037.32	3	3	154.47	15.315	154.47	15.315	8.8420	9.91%	14.956	4.6624	15.666	9.68%	3.02%	10.14%	3.3600	5.6033	7.49%
037.33	2	0															
037.41	30	28	151.82	8.7251	151.70	9.4025	1.2346	6.20%	8.3847	3.4131	9.0528	5.52%	2.25%	5.96%	2.6524	4.1174	7.51%
037.42	19	17	155.22	9.6977	154.41	10.913	1.8188	7.07%	9.3420	3.6804	10.041	6.02%	2.37%	6.47%	2.7282	3.9033	7.49%
037.43	20	20	149.83	7.6164	150.27	7.6999	1.2175	5.12%	7.0824	3.9620	8.1153	4.73%	2.64%	5.42%	2.0483	4.7492	7.52%
037.44	1		149.50														
037.52	2	0															
037.99	3	3	140.50	14.526	140.50	14.526	8.3865	10.34%	14.425	2.4152	14.626	10.27%	1.72%	10.41%	6.0557	3.0000	7.60%
038.41	3	3	2.0613	0.09944	2.0613	0.09944	0.05741	4.82%	0.05192	0.11994	0.13070	2.52%	5.82%	6.34%	1.0897	0.13843	14.35%
038.42	4	4	2.0188	0.23218	2.0188	0.23218	0.11609	11.50%	0.22522	0.07977	0.23893	11.16%	3.95%	11.84%	2.9954	0.08250	14.39%
038.43	6	5	2.0400	0.25853	2.0156	0.27086	0.07819	13.44%	0.25723	0.03661	0.25982	12.61%	1.79%	12.74%	7.0978	0.07912	14.40%
038.52	2	0															
038.53	3	3	2.0317	0.08558	2.0317	0.08558	0.04941	4.21%		0.19566			9.63%		0.19500	14.38%	
040.42	1		24.740														
040.52	2	0															
040.53	1		23.077														
041.52	1		0.51500														
042.00	2	0															
042.99	2	0															
061.00	1		30.050														
061.02	10	10	32.081	3.0006	32.365	2.5133	0.56199	7.77%	2.9705	0.59985	3.0304	9.26%	1.87%	9.45%	5.0520	0.60870	9.48%
061.03	13	12	33.556	3.3322	33.975	4.0025	0.78496	11.78%	3.2741	0.87640	3.3893	9.76%	2.61%	10.10%	3.8673	1.2335	9.41%
061.99	1		45.250														
065.00	3	3	22.808	1.1706	22.808	1.1706	0.67582	5.13%	1.1376	0.38989	1.2026	4.99%	1.71%	5.27%	3.0844	0.43667	9.99%
065.03	11	8	20.541	2.0011	20.543	1.6902	0.37793	8.23%	1.9593	0.57497	2.0419	9.54%	2.80%	9.94%	3.5514	0.91400	10.15%

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065.04	7	6	21.484	0.53819	21.267	0.47386	0.12664	2.23%		0.92450			4.30%			1.1594	10.10%
065.99	4	4	22.950	2.1217	22.950	2.1217	1.0609	9.24%	1.9648	1.1325	2.2678	8.56%	4.93%	9.88%	2.0025	1.4500	9.98%
079.01	1		0.00000														
101.02	1		1,265.0														
102.01	1		74.100														
103.01	1		10.175														
104.00	2	0															
104.03	1		3.9500														
105.00	1		3.4000														
106.00	2	0															
106.01	1		16.900														
106.02	25	23	15.904	4.3883	16.313	4.6888	0.67677	28.74%	4.3432	0.88705	4.4329	27.31%	5.58%	27.87%	4.9973	0.91729	
107.00	1		14.950														
108.01	2	0															
108.02	5	5	5.7250	0.52179	5.7250	0.52179	0.23335	9.11%	0.49021	0.25280	0.55156	8.56%	4.42%	9.63%	2.1818	0.28600	
109.02	21	18	44.699	10.832	46.671	13.007	2.0565	27.87%	10.775	1.5708	10.889	24.11%	3.51%	24.36%	6.9319	1.8345	8.97%
113.01	1		1.0850														
114.01	1		0.28800														
120.00	15	15	0.74980	0.02149	0.75373	0.01424	0.00260	1.89%	0.02061	0.00859	0.02233	2.75%	1.15%	2.98%	2.6001	0.00877	4.17%
120.01	1		0.69500														
120.02	2	0															
120.05	5	5	0.73370	0.01486	0.73370	0.01486	0.00664	2.02%	0.00532	0.01962	0.02033	0.72%	2.67%	2.77%	1.0360	0.02180	4.19%
120.99	1		0.74500														
121.00	15	14	1.0729	0.04584	1.0840	0.04651	0.00849	4.29%	0.04422	0.01704	0.04739	4.12%	1.59%	4.42%	2.7810	0.01843	3.95%
121.01	1		1.0905														
121.02	2	0															
121.05	5	5	1.0521	0.07058	1.0521	0.07058	0.03156	6.71%	0.06826	0.02535	0.07282	6.49%	2.41%	6.92%	2.8727	0.03180	3.97%
121.99	1		1.2050														
122.00	15	14	1.4506	0.03462	1.4491	0.03056	0.00578	2.11%	0.03312	0.01425	0.03605	2.28%	0.98%	2.49%	2.5306	0.01679	3.78%
122.01	1		1.3950														
122.02	2	0															
122.05	5	5	1.5194	0.02825	1.5194	0.02825	0.01263	1.86%		0.06340			4.17%			0.07120	3.76%
122.99	1		1.4750														
124.00	15	14	0.28371	0.01356	0.28551	0.01680	0.00307	5.88%	0.01320	0.00439	0.01391	4.65%	1.55%	4.90%	3.1697	0.00465	4.83%
124.01	1		0.25200														
124.02	2	0															
124.05	3	2	0.28500	0.00000	0.28500	0.00000	0.00000	0.00%		0.00707			2.48%			0.00667	4.83%
124.99	2	0															
125.00	15	14	2.8115	0.08596	2.8141	0.09226	0.01744	3.28%	0.08281	0.03264	0.08901	2.95%	1.16%	3.17%	2.7274	0.03396	3.42%
125.01	1		2.8125														
125.02	2	0															
125.05	5	5	2.7804	0.08612	2.7804	0.08612	0.03852	3.10%	0.07755	0.05298	0.09392	2.79%	1.91%	3.38%	1.7726	0.06400	3.43%
125.99	1		2.8100														

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126.00	15	15	0.81213	0.01666	0.81345	0.01544	0.00282	1.90%	0.01592	0.00696	0.01737	1.96%	0.86%	2.14%	2.4949	0.00861	4.13%
126.01	1		0.74200														
126.02	2	0															
126.05	5	4	0.81725	0.00935	0.81725	0.00935	0.00467	1.14%		0.01724			2.11%			0.04160	4.12%
126.99	1		0.84500														
127.00	15	14	0.40180	0.01746	0.40351	0.01578	0.00288	3.91%	0.01697	0.00580	0.01794	4.22%	1.44%	4.46%	3.0924	0.00569	4.59%
127.01	1		0.29720														
127.02	2	0															
127.05	5	5	0.40580	0.00635	0.40580	0.00635	0.00284	1.56%		0.01819			4.48%			0.01920	4.58%
127.99	1		0.41500														
128.00	15	14	0.58155	0.03300	0.58050	0.02073	0.00378	3.57%	0.03247	0.00834	0.03353	5.58%	1.43%	5.76%	4.0217	0.01109	4.34%
128.01	1		0.57700														
128.02	2	0															
128.05	5	5	0.58190	0.04663	0.58190	0.04663	0.02085	8.01%	0.04604	0.01043	0.04721	7.91%	1.79%	8.11%	4.5281	0.00980	4.34%
128.99	1		0.65000														
129.00	15	15	1.0640	0.03332	1.0671	0.03138	0.00573	2.94%	0.03259	0.00981	0.03403	3.06%	0.92%	3.20%	3.4678	0.01070	3.96%
129.01	1		1.0545														
129.02	2	0															
129.05	5	5	1.0563	0.03477	1.0563	0.03477	0.01555	3.29%	0.03113	0.02190	0.03806	2.95%	2.07%	3.60%	1.7379	0.02460	3.97%
129.99	1		1.1250														
130.00	15	14	0.75791	0.03185	0.76076	0.02644	0.00500	3.48%	0.03136	0.00783	0.03232	4.14%	1.03%	4.26%	4.1287	0.00819	4.17%
130.01	1		0.72050														
130.02	2	0															
130.05	6	6	0.77600	0.04945	0.76990	0.04409	0.01273	5.73%	0.04551	0.02735	0.05310	5.86%	3.52%	6.84%	1.9412	0.02867	4.16%
130.99	1		0.78500														
131.00	15	15	0.23574	0.01393	0.23528	0.01320	0.00241	5.61%	0.01329	0.00589	0.01454	5.64%	2.50%	6.17%	2.4676	0.00668	4.97%
131.01	1		0.20700														
131.02	2	0															
131.05	4	3	0.22833	0.03329	0.22833	0.03329	0.01922	14.58%	0.03325	0.00245	0.03334	14.56%	1.07%	14.60%	13.610	0.01325	5.00%
131.99	2	0															
132.00	15	15	0.71172	0.02429	0.71172	0.02755	0.00503	3.87%	0.02358	0.00825	0.02499	3.31%	1.16%	3.51%	3.0271	0.00927	4.21%
132.01	1		0.69400														
132.02	2	0															
132.05	5	5	0.71000	0.03408	0.71000	0.03408	0.01524	4.80%	0.03246	0.01467	0.03562	4.57%	2.07%	5.02%	2.4284	0.01600	4.21%
132.99	1		0.75500														
133.00	15	13	0.95819	0.04556	0.96576	0.05351	0.01011	5.54%	0.04418	0.01574	0.04690	4.61%	1.64%	4.89%	2.9791	0.01531	4.02%
133.05	5	4	1.0143	0.04508	1.0143	0.04508	0.02254	4.44%	0.04474	0.00786	0.04542	4.41%	0.77%	4.48%	5.7805	0.02080	3.99%
133.99	2	0															
134.00	15	14	0.74572	0.01654	0.74413	0.01844	0.00337	2.48%	0.01547	0.00829	0.01755	2.07%	1.11%	2.35%	2.1182	0.01069	4.18%
134.01	1		0.73850														
134.02	2	0															
134.05	5	5	0.73450	0.03680	0.73450	0.03680	0.01646	5.01%	0.03324	0.02231	0.04004	4.53%	3.04%	5.45%	1.7946	0.02860	4.19%
134.99	1		0.74500														

Method Code	Total # Labs Submitting	# Labs in Method Precision Calcs	Mean	SD	Assigned Value - Robust Mean	AAFCCO CS ffp - Robust sd	Uncertainty (U) - Robust	% RSD - Robust	Between Labs sL	Within Labs sr	Reproducibility sR	Between Labs %RSD	Within Labs %rsd	Reproducibility %RSD	sR/sr	Average Range (R-bar)	Horwitz %RSD
135.00	15	14	0.58176	0.00981	0.58056	0.01123	0.00205	1.93%	0.00820	0.00763	0.01120	1.41%	1.31%	1.92%	1.4683	0.00872	4.34%
135.01	1		0.56000														
135.02	2	0															
135.05	5	4	0.58350	0.01223	0.58350	0.01223	0.00612	2.10%	0.00801	0.01308	0.01534	1.37%	2.24%	2.63%	1.1727	0.03620	4.34%
135.99	1		0.54500														
136.00	4	3	0.25502	0.00434	0.25502	0.00434	0.00251	1.70%		0.00999			3.92%			0.00950	4.91%
136.01	6	5	0.23550	0.01156	0.23053	0.01811	0.00523	7.85%	0.01149	0.00176	0.01163	4.88%	0.75%	4.94%	6.6034	0.00367	4.99%
136.02	2	0															
136.03	3	3	0.22883	0.01100	0.22883	0.01100	0.00635	4.81%	0.01085	0.00261	0.01116	4.74%	1.14%	4.88%	4.2684	0.00300	4.99%
136.99	2	0															
137.00	12	12	0.44766	0.07422	0.46492	0.04576	0.00934	9.84%	0.07382	0.01089	0.07462	16.49%	2.43%	16.67%	6.8552	0.01255	4.49%
137.01	1		0.49000														
137.02	2	0															
137.05	5	5	0.50400	0.08811	0.50400	0.08811	0.03940	17.48%	0.08675	0.02179	0.08944	17.21%	4.32%	17.75%	4.1056	0.02440	4.43%
137.99	1		0.55500														
138.00	15	13	0.76676	0.02607	0.76300	0.03257	0.00616	4.27%	0.02533	0.00871	0.02679	3.30%	1.14%	3.49%	3.0753	0.01025	4.17%
138.01	1		0.84600														
138.02	2	0															
138.05	5	5	0.77870	0.07090	0.77870	0.07090	0.03171	9.11%	0.07005	0.01551	0.07174	9.00%	1.99%	9.21%	4.6262	0.01580	4.15%
138.99	1		0.79000														
139.00	1		0.10000														
139.02	1		0.00000														
139.05	1		0.00000														
140.01	1		0.01200														
142.00	1		0.11000														
160.99	6	6	0.41833	0.20325	0.41833	0.23048	0.06654	55.10%	0.20269	0.02137	0.20381	48.45%	5.11%	48.72%	9.5356	0.02300	4.56%
161.99	2	0															
162.99	5	5	0.20140	0.09206	0.20140	0.09206	0.04117	45.71%	0.09122	0.01749	0.09289	45.29%	8.69%	46.12%	5.3099	0.02280	5.09%
163.99	3																
164.99	4	3	0.37167	0.05855	0.37167	0.05855	0.03381	15.75%	0.05816	0.00964	0.05895	15.65%	2.59%	15.86%	6.1128	0.01250	4.64%
165.99	6	6	1.8951	0.24108	1.8631	0.20763	0.05994	11.14%	0.23177	0.09384	0.25005	12.23%	4.95%	13.19%	2.6646	0.09283	3.64%
166.99	1		0.96650														
167.99	1		0.45000														
361.04	1		44.000														
365.05	1		21.000														
365.99	1		24.900														
400.01	5	4	0.41650	0.00545	0.41650	0.00545	0.00272	1.31%	0.00147	0.00742	0.00756	0.35%	1.78%	1.82%	1.0195	0.00714	
400.99	2	0															
516.00	1		0.09500														
516.42	1		0.00000														
516.43	1		0.16180														
516.52	1		0.00000														
516.53	4	4	0.10776	0.02200	0.10776	0.02200	0.01100	20.42%	0.02042	0.01158	0.02348	18.95%	10.74%	21.78%	2.0275	0.01393	22.00%



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518.34	1		0.11000														
518.41	2	0															
518.42	1		0.00000														
518.43	2	0															
518.52	2	0															
518.53	4	4	0.13858	0.00732	0.13858	0.00732	0.00366	5.28%	0.00667	0.00425	0.00791	4.82%	3.07%	5.71%	1.8601	0.00555	21.54%
520.41	2	0															
520.42	1		4.5000														
520.43	3	3	5.0725	0.30853	5.0725	0.30853	0.17813	6.08%	0.23744	0.27862	0.36607	4.68%	5.49%	7.22%	1.3139	0.34347	12.53%
520.52	2	0															
520.53	2	0															
520.99	1		5.2820														
526.31	2	0															
526.32	1		0.62000														
526.41	1		0.40000														
526.43	2	0															
526.52	2	0															
526.53	4	4	0.47293	0.02872	0.47293	0.02872	0.01436	6.07%	0.02456	0.02104	0.03234	5.19%	4.45%	6.84%	1.5368	0.02775	17.90%
529.00	1		0.00000														
529.99	3	0														1.2000	
539.41	2	0															
539.43	1		3.6083														
539.52	1		2.9500														
539.53	2	0															
600.01	3	2	1.6400	0.33941												0.56667	
600.20	1		0.00000														
600.98	1		1.7965														
610.01	2	0															
620.01	1		0.15000														
642.98	1		127.50														
650.01	1		272.50														
710.99	1		0.00000														
718.99	1		0.01000														
726.99	1		1.6350														
728.99	1		0.18000														
736.99	1		0.00000														
740.99	1		0.00000														
746.99	1		0.00000														
750.99	1		0.00000														
754.99	1		0.18500														
756.99	1		1.6350														