

**AAFCO Check Sample Program**  
**Method Performance & Summary Report**



**AAFCO**  
**Check Sample Program**



**Sample # 201623**  
**Poultry Feed, Medicated**  
**Regular Program**

**# Labs Reporting: 201**  
**Issue Date : 04/30/2016**

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	1		0.10000														
001.00	8	7	8.0425	0.43018	8.0425	0.48783	0.18438	6.07%	0.41499	0.16026	0.44486	5.16%	1.99%	5.53%	2.7759	0.17234	2.92%
001.03	6	6	8.1652	0.20050	8.1652	0.22737	0.09282	2.78%	0.19926	0.03150	0.20174	2.44%	0.39%	2.47%	6.4052	0.03533	2.92%
001.05	2	0															
001.07	41	37	8.0368	0.27589	8.0387	0.26263	0.04205	3.27%	0.27015	0.07919	0.28151	3.36%	0.99%	3.50%	3.5549	0.08195	2.92%
001.08	2	0															
001.99	18	15	7.9883	0.40057	7.9390	0.43957	0.10661	5.54%	0.39645	0.08104	0.40465	4.96%	1.01%	5.07%	4.9932	0.09912	2.93%
002.00	5	5	19.356	0.37198	19.356	0.37198	0.16635	1.92%	0.36908	0.06557	0.37486	1.91%	0.34%	1.94%	5.7165	0.07200	2.27%
002.01	12	10	19.530	0.21808	19.485	0.27614	0.08326	1.42%	0.20583	0.10195	0.22969	1.05%	0.52%	1.18%	2.2530	0.09591	2.27%
002.02	3	3	19.406	0.41624	19.406	0.41624	0.24032	2.14%	0.40636	0.12749	0.42589	2.09%	0.66%	2.19%	3.3406	0.17650	2.27%
002.04	6	6	19.190	0.42980	19.190	0.48740	0.19898	2.54%	0.42038	0.12656	0.43902	2.19%	0.66%	2.29%	3.4689	0.12333	2.28%
002.05	30	27	19.412	0.19892	19.404	0.21157	0.03929	1.09%	0.19397	0.06233	0.20374	1.00%	0.32%	1.05%	3.2689	0.08037	2.27%
002.06	126	117	19.709	0.26917	19.710	0.27290	0.02441	1.38%	0.25185	0.13433	0.28544	1.28%	0.68%	1.45%	2.1249	0.15580	2.25%
002.08	3	3	19.192	0.36879	19.192	0.36879	0.21292	1.92%	0.36802	0.03359	0.36955	1.92%	0.18%	1.93%	11.003	0.03307	2.28%
002.10	2	0															
002.11	10	9	20.141	0.36166	20.061	0.48228	0.15251	2.40%	0.35467	0.10011	0.36852	1.76%	0.50%	1.83%	3.6811	0.10800	2.23%
002.99	4	3	19.347	0.46372	19.347	0.46372	0.26773	2.40%	0.46192	0.05774	0.46551	2.39%	0.30%	2.41%	8.0629	0.19000	2.27%
003.00	15	14	5.9532	0.15968	5.9417	0.15359	0.04105	2.58%	0.14551	0.09300	0.17269	2.44%	1.56%	2.90%	1.8570	0.10920	3.06%
003.01	2	0															
003.06	20	17	5.8646	0.13955	5.8605	0.14337	0.03379	2.45%	0.12578	0.08548	0.15208	2.14%	1.46%	2.59%	1.7790	0.09568	3.07%
003.09	20	18	5.8985	0.17672	5.8811	0.21277	0.04881	3.62%	0.16892	0.07343	0.18419	2.86%	1.24%	3.12%	2.5084	0.14279	3.06%
003.10	31	30	5.7360	0.14163	5.7350	0.14715	0.02686	2.57%	0.10618	0.13256	0.16984	1.85%	2.31%	2.96%	1.2813	0.12808	3.08%
003.11	10	9	5.6817	0.40223	5.6817	0.45613	0.15204	8.03%	0.40187	0.02415	0.40259	7.07%	0.43%	7.09%	16.669	0.03000	3.08%
003.12	4	3	5.8083	0.07320	5.8083	0.07320	0.04226	1.26%	0.07083	0.02614	0.07550	1.22%	0.45%	1.30%	2.8882	0.09500	3.07%
003.13	10	10	5.7533	0.34198	5.7747	0.33694	0.10655	5.83%	0.33822	0.07148	0.34569	5.88%	1.24%	6.01%	4.8359	0.08000	3.07%
003.14	43	38	5.6705	0.21091	5.6589	0.22876	0.03573	4.04%	0.16716	0.18189	0.24703	2.95%	3.21%	4.36%	1.3582	0.20690	3.08%
003.99	5	4	5.9388	1.6024	5.9388	1.6024	0.80122	26.98%	1.5992	0.14278	1.6056	26.93%	2.40%	27.04%	11.245	0.48600	3.06%
004.00	20	19	4.7758	0.38002	4.7885	0.39742	0.09117	8.30%	0.34810	0.21558	0.40945	7.29%	4.51%	8.57%	1.8993	0.22646	3.16%
004.01	2	0															
004.03	7	7	4.9662	1.0066	4.9832	1.1026	0.41673	22.13%	1.0014	0.14348	1.0117	20.17%	2.89%	20.37%	7.0507	0.15007	3.14%
004.06	26	25	5.1682	0.39132	5.1611	0.38298	0.07511	7.42%	0.37147	0.17401	0.41021	7.19%	3.37%	7.94%	2.3574	0.17703	3.12%
004.07	64	62	4.7157	0.56757	4.6994	0.52762	0.06647	11.23%	0.55712	0.15333	0.57784	11.81%	3.25%	12.25%	3.7685	0.17010	3.17%

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004.11	9	8	4.6831	0.32860	4.7771	0.38439	0.12813	8.05%	0.32446	0.07353	0.33269	6.93%	1.57%	7.10%	4.5247	0.09889	3.16%
004.99	3	3	4.7933	0.20312	4.7933	0.20312	0.11727	4.24%	0.16525	0.16703	0.23496	3.45%	3.48%	4.90%	1.4067	0.17333	3.16%
005.00	94	91	6.1404	0.23522	6.1490	0.24068	0.02496	3.91%	0.23202	0.05467	0.23838	3.78%	0.89%	3.88%	4.3607	0.05997	3.04%
005.05	27	26	6.2994	0.12631	6.3007	0.12033	0.02360	1.91%	0.12148	0.04893	0.13096	1.93%	0.78%	2.08%	2.6765	0.04977	3.03%
005.11	8	7	6.0593	2.9598	6.1782	3.0805	1.1643	49.86%	2.9594	0.07126	2.9603	48.84%	1.18%	48.85%	41.539	0.07857	3.04%
005.99	13	13	6.2591	0.25522	6.2591	0.28942	0.08027	4.62%	0.25051	0.06902	0.25985	4.00%	1.10%	4.15%	3.7647	0.07292	3.03%
006.00	2	0															
006.01	2	0															
006.05	1		6.6000														
006.99	3	2	6.0075	0.06010	6.0075	0.06010	0.04250	1.00%		0.48757			8.12%		0.41667	3.05%	
008.02	14	11	7.2019	0.48212	7.1462	0.68719	0.18366	9.62%	0.47132	0.14348	0.49268	6.54%	1.99%	6.84%	3.4337	0.36801	2.98%
008.05	1		7.7500														
008.08	41	39	6.7726	0.95457	6.7954	1.0267	0.16234	15.11%	0.93438	0.27619	0.97434	13.80%	4.08%	14.39%	3.5278	0.29349	3.00%
008.99	3	3	5.7800	1.2587	5.7800	1.2587	0.72671	21.78%	1.2364	0.33332	1.2806	21.39%	5.77%	22.16%	3.8419	0.34667	3.07%
009.04	1		15.020														
009.07	9	8	15.158	1.7629	15.613	2.4281	0.80938	15.55%	1.7338	0.45124	1.7915	11.44%	2.98%	11.82%	3.9703	0.56874	2.53%
009.09	33	31	14.711	1.6194	14.778	1.8278	0.32311	12.37%	1.6041	0.31453	1.6346	10.90%	2.14%	11.11%	5.1971	0.36713	2.60%
009.99	3	2	14.980	0.62225	14.980	0.62225	0.44000	4.15%	0.62205	0.02236	0.62245	4.15%	0.15%	4.16%	27.837	0.81333	2.58%
010.03	3	3	7.7617	0.41930	7.7617	0.41930	0.24208	5.40%	0.40377	0.15984	0.43426	5.20%	2.06%	5.59%	2.7168	0.17000	2.94%
010.11	7	7	8.5193	0.70768	8.5193	0.80251	0.30332	9.42%	0.70745	0.02550	0.70791	8.30%	0.30%	8.31%	27.767	0.03000	2.90%
010.99	20	19	8.0713	0.39469	8.1050	0.44110	0.09863	5.44%	0.38881	0.09600	0.40048	4.82%	1.19%	4.96%	4.1716	0.10553	2.92%
011.01	70	65	8.8509	0.36794	8.8177	0.38989	0.04694	4.42%	0.35887	0.11486	0.37680	4.05%	1.30%	4.26%	3.2806	0.12765	2.88%
011.02	2	0															
011.03	1		7.4250														
011.99	4	4	8.6750	0.29850	8.6750	0.29850	0.14925	3.44%	0.27060	0.17819	0.32400	3.12%	2.05%	3.73%	1.8183	0.21500	2.89%
012.00	11	9	33.073	0.64068	33.091	0.68790	0.21753	2.08%	0.63630	0.10578	0.64503	1.92%	0.32%	1.95%	6.0980	0.13800	1.74%
012.01	8	7	29.960	1.4594	30.412	2.1093	0.74577	6.94%	1.2964	0.94784	1.6059	4.33%	3.16%	5.36%	1.6943	1.0822	1.81%
012.02	1		34.570														
012.03	4	3	33.073	1.8364	33.073	1.8364	1.0602	5.55%	1.8332	0.15333	1.8396	5.54%	0.46%	5.56%	11.997	0.54553	1.74%
012.04	5	5	30.101	0.35543	30.101	0.35543	0.15895	1.18%	0.29442	0.28158	0.40740	0.98%	0.94%	1.35%	1.4468	0.31000	1.82%
012.11	5	5	32.599	2.2122	32.599	2.2122	0.98931	6.79%	2.2090	0.16718	2.2153	6.78%	0.51%	6.80%	13.251	0.17800	1.75%
013.00	18	18	6.8941	0.55713	6.8941	0.63178	0.14891	9.16%	0.54098	0.18831	0.57282	7.85%	2.73%	8.31%	3.0419	0.20699	2.99%
013.02	19	19	7.2191	0.47219	7.2044	0.50157	0.11507	6.96%	0.46464	0.11890	0.47962	6.44%	1.65%	6.64%	4.0337	0.13594	2.97%
013.08	1		4.3350														
013.10	7	5	6.4610	0.24496	6.3262	0.44945	0.18349	7.10%	0.23858	0.07855	0.25118	3.69%	1.22%	3.89%	3.1977	0.08793	3.03%
013.13	3	3	7.4333	0.67002	7.4333	0.67002	0.38684	9.01%	0.66681	0.09274	0.67323	8.97%	1.25%	9.06%	7.2596	0.11333	2.96%
015.41	3	3	98.469	10.394	98.469	10.394	6.0011	10.56%	10.336	1.5522	10.452	10.50%	1.58%	10.61%	6.7336	1.7113	8.02%
015.42	1		103.85														
015.43	7	6	106.60	13.808	109.59	16.033	6.0601	14.63%	13.770	1.4440	13.845	12.92%	1.35%	12.99%	9.5880	2.9635	7.89%
015.53	1		117.80														
017.41	1		11.145														
017.42	5	4	13.162	4.7785	13.162	4.7785	2.3893	36.31%	4.7746	0.27331	4.7825	36.28%	2.08%	36.34%	17.498	0.90408	10.85%
017.43	6	5	11.202	7.7719	11.202	7.7719	3.4757	69.38%	7.7714	0.11364	7.7723	69.37%	1.01%	69.38%	68.394	0.11220	11.12%

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017.53	1		11.030														
019.00	17	14	1.0424	0.04968	1.0483	0.05003	0.01251	4.77%	0.04820	0.01704	0.05112	4.62%	1.63%	4.90%	3.0005	0.02438	3.97%
019.03	1		1.0879														
019.08	9	8	1.0476	0.02054	1.0529	0.02829	0.00943	2.69%	0.01044	0.02502	0.02711	1.00%	2.39%	2.59%	1.0835	0.03734	3.97%
019.09	2	0															
019.31	28	26	1.0617	0.05934	1.0517	0.05188	0.00998	4.93%	0.05680	0.02429	0.06178	5.35%	2.29%	5.82%	2.5435	0.02522	3.97%
019.32	4	4	1.0894	0.03125	1.0894	0.03125	0.01563	2.87%	0.02974	0.01355	0.03269	2.73%	1.24%	3.00%	2.4121	0.01575	3.95%
019.33	1		1.1100														
019.41	33	30	1.0755	0.04694	1.0735	0.05144	0.00924	4.79%	0.04571	0.01509	0.04814	4.25%	1.40%	4.48%	3.1903	0.01635	3.96%
019.42	24	23	1.1025	0.07604	1.1008	0.07892	0.01646	7.17%	0.07462	0.02069	0.07744	6.77%	1.88%	7.02%	3.7429	0.02196	3.94%
019.43	21	19	1.0768	0.06701	1.0696	0.07718	0.01726	7.22%	0.06552	0.01990	0.06848	6.08%	1.85%	6.36%	3.4407	0.02085	3.96%
019.44	1		1.0700														
019.52	2	0															
019.53	3	3	1.0960	0.05597	1.0960	0.05597	0.03232	5.11%	0.02846	0.06816	0.07386	2.60%	6.22%	6.74%	1.0837	0.08467	3.94%
019.99	6	5	1.0490	0.07039	1.0103	0.12916	0.05273	12.78%	0.06656	0.03240	0.07403	6.34%	3.09%	7.06%	2.2845	0.03833	3.99%
021.31	4	4	1.2700	0.24970	1.2700	0.24970	0.12485	19.66%	0.23809	0.10642	0.26079	18.75%	8.38%	20.53%	2.4506	0.13500	15.43%
021.34	1		1.4450														
021.41	3	3	1.0857	0.21006	1.0857	0.21006	0.12128	19.35%	0.19750	0.10116	0.22190	18.19%	9.32%	20.44%	2.1936	0.11467	15.80%
021.42	2	0															
021.43	6	5	1.3840	0.16122	1.3840	0.16122	0.07210	11.65%	0.15725	0.05032	0.16510	11.36%	3.64%	11.93%	3.2812	0.06136	15.23%
021.52	3	2	0.64250	0.06010	0.64250	0.06010	0.04250	9.35%	0.05745	0.02500	0.06265	8.94%	3.89%	9.75%	2.5060	0.15000	17.10%
021.53	3	3	0.92418	0.40809	0.92418	0.40809	0.23561	44.16%	0.40154	0.10293	0.41453	43.45%	11.14%	44.85%	4.0274	0.12997	16.19%
022.31	16	14	20.989	1.7086	21.182	1.6899	0.43633	7.98%	1.6280	0.73337	1.7856	7.76%	3.49%	8.51%	2.4348	0.89733	10.10%
022.32	3	3	22.500	6.7268	22.500	6.7268	3.8837	29.90%	6.5701	2.0412	6.8799	29.20%	9.07%	30.58%	3.3705	2.3333	10.01%
022.33	2	0															
022.41	27	24	21.794	1.7165	21.901	1.8250	0.35791	8.33%	1.6269	0.77397	1.8017	7.46%	3.55%	8.27%	2.3278	0.89622	10.05%
022.42	20	19	24.130	3.3069	23.571	3.1432	0.70283	13.33%	3.2111	1.1174	3.4000	13.31%	4.63%	14.09%	3.0426	1.2134	9.94%
022.43	15	12	22.661	1.0620	22.661	1.4871	0.39743	6.56%	0.98201	0.57187	1.1364	4.33%	2.52%	5.01%	1.9872	0.96707	10.00%
022.44	1		21.200														
022.52	2	0															
022.53	3	3	23.682	0.46745	23.682	0.46745	0.26988	1.97%		0.80665			3.41%			0.97000	9.94%
022.99	2	0															
025.31	19	16	328.87	28.562	328.87	37.462	8.8298	11.39%	28.206	6.3598	28.914	8.58%	1.93%	8.79%	4.5464	7.4833	6.69%
025.32	2	0															
025.33	1		297.58														
025.34	1		387.75														
025.41	28	24	314.59	23.725	314.67	25.954	5.0900	8.25%	23.302	6.3071	24.141	7.41%	2.00%	7.67%	3.8276	6.8300	6.73%
025.42	20	18	298.86	46.848	299.87	50.121	11.207	16.71%	46.275	10.329	47.414	15.48%	3.46%	15.87%	4.5905	11.136	6.78%
025.43	16	15	308.02	38.251	310.47	28.892	7.4599	9.31%	37.456	10.974	39.030	12.16%	3.56%	12.67%	3.5565	10.712	6.74%
025.52	3	3	279.83	38.709	279.83	38.709	22.349	13.83%	38.525	5.3351	38.893	13.77%	1.91%	13.90%	7.2900	6.9533	6.85%
025.53	2	0															
025.99	2	0															
027.31	22	21	0.25136	0.01730	0.24966	0.01509	0.00322	6.05%	0.01701	0.00444	0.01758	6.77%	1.77%	6.99%	3.9570	0.00530	4.93%

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027.32	4	4	0.24925	0.02809	0.24925	0.02809	0.01404	11.27%	0.02753	0.00791	0.02864	11.04%	3.17%	11.49%	3.6225	0.00750	4.93%
027.33	1		0.25500														
027.41	28	27	0.25581	0.01142	0.25745	0.01035	0.00196	4.02%	0.01062	0.00594	0.01217	4.15%	2.32%	4.76%	2.0486	0.00599	4.91%
027.42	22	22	0.26157	0.01890	0.26219	0.01903	0.00406	7.26%	0.01786	0.00876	0.01989	6.83%	3.35%	7.60%	2.2703	0.00870	4.89%
027.43	18	16	0.25328	0.01538	0.25550	0.01727	0.00419	6.76%	0.01522	0.00315	0.01554	6.01%	1.24%	6.14%	4.9398	0.00322	4.91%
027.44	1		0.25800														
027.52	1		0.25400														
027.53	2	0															
027.99	3	3	0.25000	0.02500	0.25000	0.02500	0.01443	10.00%	0.02466	0.00577	0.02533	9.87%	2.31%	10.13%	4.3875	0.00667	4.93%
028.31	16	13	165.02	8.3787	164.67	9.2548	2.4734	5.62%	8.3099	1.5152	8.4469	5.04%	0.92%	5.12%	5.5749	2.3721	7.42%
028.32	3	3	165.50	5.7663	165.50	5.7663	3.3292	3.48%	5.7300	0.91287	5.8023	3.46%	0.55%	3.51%	6.3561	1.0000	7.41%
028.33	1		155.14														
028.41	27	23	161.54	8.2615	162.24	8.1744	1.6349	5.04%	7.9219	3.3151	8.5876	4.90%	2.05%	5.32%	2.5904	3.7964	7.44%
028.42	22	21	168.12	13.097	168.17	14.750	3.2187	8.77%	12.602	5.0473	13.575	7.50%	3.00%	8.07%	2.6895	5.2624	7.40%
028.43	15	13	167.55	10.539	167.17	13.472	3.4786	8.06%	10.437	2.0652	10.640	6.23%	1.23%	6.35%	5.1519	4.7333	7.40%
028.44	1		171.00														
028.52	2	0															
028.53	3	3	166.77	7.7694	166.77	7.7694	4.4857	4.66%	7.6916	1.5513	7.8464	4.61%	0.93%	4.71%	5.0578	2.0667	7.41%
028.99	2	0															
031.00	1		0.64000														
031.01	48	46	0.67508	0.03617	0.67747	0.03182	0.00459	4.70%	0.03428	0.01629	0.03795	5.08%	2.41%	5.62%	2.3306	0.01744	4.24%
031.02	4	3	0.69493	0.00878	0.69493	0.00878	0.00507	1.26%	0.00874	0.00106	0.00881	1.26%	0.15%	1.27%	8.2979	0.00315	4.22%
031.03	5	4	0.68394	0.02460	0.68394	0.02460	0.01230	3.60%	0.02460	0.00039	0.02461	3.60%	0.06%	3.60%	63.268	0.00242	4.24%
031.06	2	0															
031.41	29	26	0.69103	0.02521	0.69406	0.02818	0.00533	4.06%	0.02426	0.00971	0.02613	3.51%	1.41%	3.78%	2.6911	0.01150	4.23%
031.42	24	23	0.68663	0.02722	0.68417	0.03042	0.00621	4.45%	0.02384	0.01859	0.03023	3.47%	2.71%	4.40%	1.6264	0.01963	4.23%
031.43	21	18	0.69007	0.03312	0.69199	0.03457	0.00773	5.00%	0.03216	0.01120	0.03406	4.66%	1.62%	4.94%	3.0401	0.01756	4.23%
031.44	1		0.67750														
031.52	1		0.66655														
031.53	3	3	0.71117	0.04716	0.71117	0.04716	0.02723	6.63%	0.04378	0.02478	0.05031	6.16%	3.48%	7.07%	2.0301	0.02967	4.21%
031.99	6	4	0.67625	0.01109	0.67272	0.02092	0.00854	3.11%	0.01080	0.00354	0.01137	1.60%	0.52%	1.68%	3.2146	0.00500	4.25%
032.02	2	0															
032.31	21	19	1.0332	0.07326	1.0325	0.05226	0.01141	5.06%	0.07190	0.01988	0.07460	6.96%	1.92%	7.22%	3.7528	0.02391	3.98%
032.32	4	4	1.0175	0.21612	1.0175	0.21612	0.10806	21.24%	0.21574	0.01825	0.21651	21.20%	1.79%	21.28%	11.864	0.02300	3.99%
032.41	29	25	1.0220	0.04430	1.0159	0.04429	0.00837	4.36%	0.04348	0.01195	0.04510	4.25%	1.17%	4.41%	3.7751	0.01877	3.99%
032.42	23	23	1.0690	0.06228	1.0682	0.06614	0.01379	6.19%	0.05794	0.03230	0.06634	5.42%	3.02%	6.21%	2.0536	0.02990	3.96%
032.43	17	16	1.0498	0.06396	1.0475	0.06401	0.01600	6.11%	0.06285	0.01672	0.06504	5.99%	1.59%	6.20%	3.8894	0.01487	3.97%
032.44	1		1.0500														
032.52	1		1.0467														
032.53	2	0															
032.99	5	4	1.0400	0.01711	1.0400	0.01711	0.00855	1.64%	0.01649	0.00644	0.01770	1.59%	0.62%	1.70%	2.7481	0.00800	3.98%
033.00	16	15	0.36177	0.03356	0.36150	0.03177	0.00794	8.79%	0.03171	0.01550	0.03530	8.77%	4.29%	9.76%	2.2769	0.01616	4.66%
033.01	31	27	0.40561	0.02668	0.40533	0.02753	0.00511	6.79%	0.02605	0.00817	0.02730	6.42%	2.02%	6.73%	3.3396	0.00849	4.58%

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033.03	5	5	0.30500	0.08292	0.30500	0.08292	0.03708	27.19%	0.08216	0.01581	0.08367	26.94%	5.18%	27.43%	5.2915	0.01400	4.78%
033.05	3	3	0.38250	0.01887	0.38250	0.01887	0.01090	4.93%	0.01671	0.01242	0.02082	4.37%	3.25%	5.44%	1.6765	0.01167	4.62%
033.99	12	10	0.37202	0.06681	0.37979	0.07225	0.02086	19.02%	0.06577	0.01656	0.06782	17.68%	4.45%	18.23%	4.0966	0.02042	4.63%
034.01	2	0															
034.04	6	6	0.66633	0.15651	0.66633	0.17749	0.07246	26.64%	0.15593	0.01914	0.15710	23.40%	2.87%	23.58%	8.2079	0.02100	17.00%
034.41	1		0.51200														
034.42	1		0.50000														
034.52	4	4	0.78488	0.06178	0.78488	0.06178	0.03089	7.87%	0.05710	0.03336	0.06613	7.28%	4.25%	8.43%	1.9825	0.04475	16.59%
034.53	5	5	0.87796	0.11574	0.87796	0.11574	0.05176	13.18%	0.10510	0.06855	0.12548	11.97%	7.81%	14.29%	1.8305	0.08252	16.31%
034.99	3	3	1.3223	1.0483	1.3223	1.0483	0.60524	79.28%	1.0479	0.04069	1.0487	79.25%	3.08%	79.31%	25.771	0.05467	15.34%
035.01	4	3	0.13583	0.00777	0.13583	0.00777	0.00448	5.72%	0.00463	0.00882	0.00996	3.41%	6.49%	7.33%	1.1292	0.01050	5.40%
035.05	2	0															
035.31	19	17	0.12966	0.01325	0.12845	0.01565	0.00369	12.18%	0.01240	0.00660	0.01405	9.57%	5.09%	10.84%	2.1290	0.00619	5.45%
035.32	3	2	0.49500	0.48790	0.49500	0.48790	0.34500	98.57%	0.48790	0.00000	0.48790	98.57%	0.00%	98.57%		0.00333	4.45%
035.41	29	27	0.12894	0.00804	0.12903	0.00767	0.00148	5.94%	0.00747	0.00423	0.00858	5.79%	3.28%	6.66%	2.0297	0.00385	5.44%
035.42	18	16	0.12992	0.01205	0.12918	0.01319	0.00320	10.21%	0.01173	0.00391	0.01236	9.03%	3.01%	9.52%	3.1621	0.00429	5.44%
035.43	16	15	0.12406	0.00966	0.12520	0.01179	0.00295	9.42%	0.00869	0.00599	0.01055	7.00%	4.83%	8.50%	1.7617	0.00622	5.47%
035.52	1		0.13310														
035.53	3	3	0.12567	0.00605	0.12567	0.00605	0.00349	4.81%		0.01072			8.53%			0.01200	5.47%
035.99	4	3	0.12333	0.01528	0.12333	0.01528	0.00882	12.39%	0.01000	0.01633	0.01915	8.11%	13.24%	15.53%	1.1726	0.01500	5.48%
036.04	4	3	0.28167	0.00289	0.28167	0.00289	0.00167	1.02%		0.00913			3.24%			0.00750	4.84%
036.42	25	23	0.27416	0.01893	0.27244	0.01963	0.00401	7.21%	0.01839	0.00638	0.01946	6.71%	2.33%	7.10%	3.0511	0.00578	4.86%
036.43	12	9	0.26667	0.01941	0.26314	0.02120	0.00639	8.06%	0.01925	0.00354	0.01958	7.22%	1.33%	7.34%	5.5246	0.00431	4.89%
036.99	2	0															
037.31	18	17	158.68	9.2549	158.27	9.5718	2.3215	6.05%	9.0437	2.7802	9.4614	5.70%	1.75%	5.96%	3.4031	3.2445	7.46%
037.32	3	3	156.83	5.1072	156.83	5.1072	2.9486	3.26%	4.7258	2.7386	5.4620	3.01%	1.75%	3.48%	1.9944	3.6667	7.48%
037.33	2	0															
037.41	27	24	151.71	10.342	152.47	11.896	2.3331	7.80%	10.036	3.5290	10.639	6.62%	2.33%	7.01%	3.0147	4.1979	7.51%
037.42	21	18	156.55	12.849	156.90	12.848	2.8037	8.19%	12.593	3.6057	13.099	8.04%	2.30%	8.37%	3.6329	4.7646	7.47%
037.43	15	15	157.50	13.804	157.45	15.555	4.0163	9.88%	13.187	5.7689	14.394	8.37%	3.66%	9.14%	2.4951	6.7325	7.47%
037.44	1		154.50														
037.52	1		155.00														
037.53	3	3	164.17	20.551	164.17	20.551	11.865	12.52%	20.447	2.9155	20.654	12.46%	1.78%	12.58%	7.0842	3.0000	7.42%
037.99	3	3	143.17	21.061	143.17	21.061	12.160	14.71%	20.980	2.6141	21.142	14.65%	1.83%	14.77%	8.0879	3.0000	7.58%
038.41	2	0															
038.42	3	3	1.6818	0.06842	1.6818	0.06842	0.03950	4.07%	0.05754	0.05236	0.07780	3.42%	3.11%	4.63%	1.4857	0.06980	14.79%
038.43	7	7	1.5947	0.20665	1.5979	0.22710	0.08584	14.21%	0.18552	0.12872	0.22581	11.63%	8.07%	14.16%	1.7542	0.14904	14.91%
038.52	1		1.8000														
038.53	3	3	1.5402	0.30809	1.5402	0.30809	0.17788	20.00%	0.30140	0.09036	0.31465	19.57%	5.87%	20.43%	3.4821	0.09570	14.99%
040.42	1		7.1750														
040.43	1		7.5323														
040.52	1		7.5000														
040.53	2	0															

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041.43	1		0.79225														
041.52	1		1.0500														
041.53	1		0.78800														
042.00	1		0.19000														
042.99	1		0.23000														
045.00	5	4	149.36	17.055	149.36	17.055	8.5273	11.42%	16.990	2.0943	17.119	11.38%	1.40%	11.46%	8.1739	6.2600	7.53%
045.02	12	11	141.69	12.395	138.29	8.0656	2.3283	5.83%	11.915	4.8312	12.857	8.41%	3.41%	9.07%	2.6613	4.5392	7.62%
051.03	2																
057.01	1		1.2700														
059.00	1		19.053														
073.00	3	3	179.39	13.455	179.39	13.455	7.7680	7.50%	12.810	5.8170	14.069	7.14%	3.24%	7.84%	2.4186	5.8700	7.33%
073.03	8	8	185.80	23.030	185.80	26.116	9.2335	14.06%	21.431	11.926	24.526	11.53%	6.42%	13.20%	2.0565	12.427	7.29%
073.04	5	5	162.04	16.163	162.04	16.163	7.2285	9.98%	16.026	2.9727	16.300	9.89%	1.83%	10.06%	5.4831	3.5280	7.44%
088.00	2	0															
088.03	4	4	81.054	18.294	81.054	18.294	9.1469	22.57%	18.100	3.7596	18.486	22.33%	4.64%	22.81%	4.9169	4.6475	8.26%
101.01	2	0															
101.02	1		1,865.0														
102.01	1		163.50														
102.99	1		225.00														
103.01	1		32.700														
103.02	1		63.730														
103.99	1		43.500														
104.00	2	0															
104.03	5	5	36.279	4.4750	36.279	4.4750	2.0013	12.33%	4.4536	0.61799	4.4963	12.28%	1.70%	12.39%	7.2757	0.68406	9.32%
104.99	1		40.000														
105.00	6	5	11.440	1.3448	12.180	2.4674	1.0073	20.26%	1.2921	0.52720	1.3955	11.29%	4.61%	12.20%	2.6470	0.47000	10.98%
105.01	2	0															
106.00	2	0															
106.01	1		47.550														
106.02	26	24	38.628	10.224	38.416	8.9749	1.7950	23.36%	10.136	1.8968	10.312	26.24%	4.91%	26.70%	5.4365	2.1605	
107.99	1		95.000														
108.01	3	3	9.7267	1.0792	9.7267	1.0792	0.62307	11.10%	1.0277	0.46576	1.1283	10.57%	4.79%	11.60%	2.4225	0.54667	
108.02	5	4	8.9226	1.8890	8.9226	1.8890	0.94452	21.17%	1.8290	0.66837	1.9473	20.50%	7.49%	21.82%	2.9135	34.640	
109.02	22	20	329.73	60.740	331.99	54.184	11.824	16.32%	60.428	8.6984	61.051	18.33%	2.64%	18.52%	7.0186	9.5737	
109.99	1		346.50														
111.01	3	3	79.333	21.968	79.333	21.968	12.683	27.69%	21.548	6.0476	22.380	27.16%	7.62%	28.21%	3.7007	6.9333	8.28%
112.00	1		26.685														
112.01	2	0															
112.99	1		24.000														
113.01	1		14.350														
113.99	1		18.500														
114.01	1		1.1400														
120.00	14	13	1.0372	0.01856	1.0368	0.01921	0.00533	1.85%	0.01780	0.00740	0.01928	1.72%	0.71%	1.86%	2.6048	0.00904	3.98%

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120.01	1		0.93150														
120.02	1		1.0660														
120.05	3	3	1.0158	0.01854	1.0158	0.01854	0.01070	1.82%	0.01631	0.01244	0.02052	1.61%	1.22%	2.02%	1.6490	0.01567	3.99%
120.99	1		1.0050														
121.00	14	12	1.2316	0.03660	1.2339	0.04415	0.01180	3.58%	0.03576	0.01102	0.03742	2.90%	0.89%	3.04%	3.3950	0.01252	3.88%
121.01	1		1.3335														
121.02	1		1.2355														
121.05	3	3	1.2355	0.02407	1.2355	0.02407	0.01390	1.95%	0.02015	0.01862	0.02743	1.63%	1.51%	2.22%	1.4731	0.02033	3.87%
121.99	1		1.4000														
122.00	14	13	1.8385	0.04034	1.8360	0.04321	0.01155	2.35%	0.03617	0.02528	0.04412	1.97%	1.37%	2.40%	1.7457	0.03119	3.65%
122.01	1		1.6410														
122.02	1		1.8775														
122.05	3	3	1.8510	0.01126	1.8510	0.01126	0.00650	0.61%		0.04403			2.38%			0.05400	3.65%
122.99	1		1.6400														
124.00	14	12	0.32254	0.02745	0.32527	0.03115	0.00864	9.58%	0.02705	0.00658	0.02784	8.39%	2.04%	8.63%	4.2309	0.00577	4.74%
124.01	1		0.33100														
124.02	1		0.33700														
124.05	2	0															
124.99	1		0.31000														
125.00	14	14	3.5063	0.15767	3.4899	0.14146	0.03781	4.05%	0.15649	0.02724	0.15884	4.46%	0.78%	4.53%	5.8305	0.03074	3.31%
125.01	1		3.6780														
125.02	1		3.4090														
125.05	3	3	3.4208	0.10216	3.4208	0.10216	0.05898	2.99%	0.09688	0.04583	0.10718	2.83%	1.34%	3.13%	2.3383	0.06100	3.32%
125.99	1		3.7200														
126.00	14	12	0.84922	0.01493	0.84994	0.01906	0.00510	2.24%	0.01461	0.00439	0.01525	1.72%	0.52%	1.80%	3.4734	0.00559	4.10%
126.01	1		0.78450														
126.02	1		0.84900														
126.05	3	3	0.87533	0.02761	0.87533	0.02761	0.01594	3.15%	0.02392	0.01949	0.03086	2.73%	2.23%	3.53%	1.5831	0.02133	4.08%
126.99	1		0.83000														
127.00	14	13	0.50952	0.01632	0.51235	0.01860	0.00497	3.63%	0.01595	0.00485	0.01667	3.13%	0.95%	3.27%	3.4362	0.00582	4.42%
127.01	1		0.51150														
127.02	1		0.50600														
127.05	3	2	0.51475	0.00672	0.51475	0.00672	0.00475	1.31%	0.00671	0.00050	0.00673	1.30%	0.10%	1.31%	13.454	0.00567	4.42%
127.99	1		0.54500														
128.00	14	13	0.76762	0.03366	0.77047	0.03185	0.00883	4.13%	0.03334	0.00659	0.03398	4.34%	0.86%	4.43%	5.1590	0.00755	4.16%
128.01	1		0.81550														
128.02	1		0.80050														
128.05	3	3	0.80367	0.01754	0.80367	0.01754	0.01013	2.18%	0.01311	0.01648	0.02106	1.63%	2.05%	2.62%	1.2776	0.02133	4.13%
128.99	1		0.83500														
129.00	14	12	1.6428	0.02511	1.6467	0.03171	0.00880	1.93%	0.02389	0.01090	0.02626	1.45%	0.66%	1.60%	2.4085	0.01161	3.71%
129.01	1		1.5970														
129.02	1		1.6730														
129.05	3	3	1.6512	0.02877	1.6512	0.02877	0.01661	1.74%	0.02066	0.02831	0.03505	1.25%	1.71%	2.12%	1.2380	0.03767	3.71%

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
129.99	1		1.6050														
130.00	15	15	0.98201	0.03384	0.98113	0.03560	0.00919	3.63%	0.03194	0.01580	0.03563	3.25%	1.61%	3.63%	2.2548	0.01705	4.01%
130.01	1		0.91550														
130.02	1		1.0050														
130.05	3	3	1.0027	0.01994	1.0027	0.01994	0.01151	1.99%	0.01206	0.02246	0.02549	1.20%	2.24%	2.54%	1.1350	0.02467	4.00%
130.99	1		1.0700														
131.00	15	13	0.31430	0.01050	0.31687	0.01353	0.00349	4.27%	0.01002	0.00443	0.01096	3.19%	1.41%	3.49%	2.4756	0.00507	4.75%
131.01	1		0.34495														
131.02	1		0.30650														
131.05	3	3	0.28983	0.03486	0.28983	0.03486	0.02013	12.03%	0.03281	0.01666	0.03679	11.32%	5.75%	12.70%	2.2088	0.01900	4.82%
131.99	1		0.23500														
132.00	14	13	0.92277	0.02471	0.92821	0.02197	0.00587	2.37%	0.02357	0.01050	0.02580	2.55%	1.14%	2.80%	2.4570	0.01106	4.04%
132.01	1		0.91800														
132.02	1		0.93800														
132.05	3	3	0.94267	0.01595	0.94267	0.01595	0.00921	1.69%	0.01046	0.01703	0.01998	1.11%	1.81%	2.12%	1.1735	0.02200	4.04%
132.99	1		0.97500														
133.00	14	11	1.1922	0.04438	1.1875	0.04579	0.01270	3.86%	0.04382	0.00996	0.04494	3.68%	0.84%	3.77%	4.5130	0.01481	3.90%
133.05	3	3	1.2205	0.01975	1.2205	0.01975	0.01141	1.62%	0.01678	0.01475	0.02234	1.37%	1.21%	1.83%	1.5147	0.01700	3.88%
133.99	1		1.1500														
134.00	14	14	0.92839	0.06525	0.93505	0.05224	0.01396	5.59%	0.06429	0.01571	0.06618	6.93%	1.69%	7.13%	4.2139	0.01696	4.04%
134.01	1		0.93000														
134.02	1		0.84450														
134.05	3	3	0.96450	0.05745	0.96450	0.05745	0.03317	5.96%	0.05329	0.03035	0.06132	5.53%	3.15%	6.36%	2.0209	0.03833	4.02%
134.99	1		0.96500														
135.00	14	13	0.73346	0.01855	0.73599	0.02196	0.00587	2.98%	0.01713	0.01006	0.01986	2.34%	1.37%	2.71%	1.9748	0.01079	4.19%
135.01	1		0.76650														
135.02	1		0.72700														
135.05	3	3	0.73400	0.01635	0.73400	0.01635	0.00944	2.23%	0.01507	0.00896	0.01753	2.05%	1.22%	2.39%	1.9562	0.01000	4.19%
135.99	1		0.81000														
136.00	5	5	0.23349	0.04315	0.23349	0.04315	0.01930	18.48%	0.04239	0.01139	0.04390	18.16%	4.88%	18.80%	3.8545	0.01174	4.98%
136.01	3	2	0.23400	0.01838	0.23400	0.01838	0.01300	7.86%	0.01838	0.00000	0.01838	7.86%	0.00%	7.86%		0.00100	4.98%
136.02	1		0.23350														
136.03	4	4	0.23300	0.00498	0.23300	0.00498	0.00249	2.14%	0.00463	0.00260	0.00531	1.99%	1.12%	2.28%	2.0443	0.00350	4.98%
136.05	1		0.04000														
136.99	2	0															
137.00	9	9	0.60435	0.08804	0.61234	0.08028	0.02676	13.11%	0.08782	0.00878	0.08826	14.53%	1.45%	14.60%	10.055	0.00934	4.31%
137.01	1		0.67550														
137.02	1		0.68300														
137.05	3	3	0.63700	0.03909	0.63700	0.03909	0.02257	6.14%	0.03717	0.01710	0.04091	5.84%	2.68%	6.42%	2.3929	0.01933	4.28%
137.99	1		0.77500														
138.00	14	13	0.91995	0.02876	0.91580	0.03593	0.00960	3.92%	0.02768	0.01103	0.02980	3.01%	1.20%	3.24%	2.7013	0.01249	4.05%
138.01	1		1.0030														
138.02	1		0.95750														



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138.05	3	3	0.97833	0.04661	0.97833	0.04661	0.02691	4.76%	0.04453	0.01948	0.04860	4.55%	1.99%	4.97%	2.4953	0.02200	4.01%
138.99	1		1.0500														
139.00	1		0.16000														
139.02	1		0.00000														
139.99	1		0.00000														
160.99	6	4	0.29925	0.14268	0.41123	0.26375	0.10768	64.14%	0.14222	0.01616	0.14314	47.53%	5.40%	47.83%	8.8557	0.04683	4.57%
161.99	2																
162.99	6	5	0.63450	0.21375	0.63450	0.21375	0.09559	33.69%	0.21315	0.02278	0.21436	33.59%	3.59%	33.78%	9.4102	0.02540	4.28%
163.99	3																
164.99	4	4	0.79475	0.15029	0.79475	0.15029	0.07515	18.91%	0.10683	0.14949	0.18374	13.44%	18.81%	23.12%	1.2291	0.14200	4.14%
165.99	7	5	2.8732	0.46243	2.6341	0.69446	0.26248	26.36%	0.46007	0.06597	0.46478	16.01%	2.30%	16.18%	7.0450	0.11600	3.46%
166.99	3	3	0.54183	0.19530	0.54183	0.19530	0.11275	36.04%	0.19446	0.02551	0.19613	35.89%	4.71%	36.20%	7.6878	0.02700	4.39%
167.99	2	0															
373.00	1		162.50														
400.01	4	4	0.43839	0.05393	0.43839	0.05393	0.02697	12.30%	0.05385	0.00413	0.05401	12.28%	0.94%	12.32%	13.088	0.00488	
400.99	2	0															
516.00	1		0.10000														
516.52	2	0															
516.53	4	3	0.17755	0.06327	0.17755	0.06327	0.03653	35.64%	0.06327	0.00067	0.06328	35.64%	0.38%	35.64%	94.501	0.00283	20.75%
518.41	3	3	0.07033	0.02004	0.07033	0.02004	0.01157	28.49%	0.01942	0.00700	0.02064	27.61%	9.95%	29.35%	2.9488	0.00933	22.00%
518.43	2	0															
518.52	1		0.07340														
518.53	3	3	0.07242	0.00550	0.07242	0.00550	0.00318	7.60%	0.00531	0.00205	0.00569	7.33%	2.84%	7.86%	2.7716	0.00277	22.00%
520.41	3	3	2.9979	0.56096	2.9979	0.56096	0.32387	18.71%	0.54015	0.21405	0.58102	18.02%	7.14%	19.38%	2.7144	0.29483	13.56%
520.43	2	0															
520.52	2	0															
520.53	2	0															
526.31	2	0															
526.41	2	0															
526.52	2	0															
526.53	4	3	0.10092	0.00827	0.10092	0.00827	0.00477	8.20%	0.00327	0.01074	0.01123	3.24%	10.64%	11.13%	1.0454	0.03868	22.00%
539.41	2	0															
539.43	1		3.6388														
539.52	1		2.9000														
539.53	2	0															