

AAFCO Check Sample Program

All Methods Report

Sort by Method

Proficiency For Individual Methods

Sample # 201432

Poultry Layer Feed



AAFCO
Check Sample Program



Issue Date : 01/31/2015

Method Code	Total # Labs Submitting	# Labs Included In Method 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														
000.99	1		0.00000														
001.00	7	6	9.1860	0.56015	9.2463	0.41839	0.12078	4.52%	0.55879	0.05515	0.56150	6.08%	0.60%	6.11%	10.181	0.06828	2.86%
001.03	12	10	9.5522	0.11862	9.5414	0.14497	0.02959	1.52%	0.11756	0.02244	0.11968	1.23%	0.23%	1.25%	5.3344	0.02552	2.85%
001.05	1		9.2500														
001.07	36	33	9.3210	0.34469	9.2958	0.32288	0.03859	3.47%	0.33946	0.08456	0.34984	3.64%	0.91%	3.75%	4.1369	0.09754	2.86%
001.08	3	2	9.6450	0.06364	9.5300	0.20421	0.08337	2.14%	0.06364	0.00000	0.06364	0.66%	0.00%	0.66%		0.06667	2.85%
001.99	19	17	9.3965	0.29358	9.3575	0.29394	0.04899	3.14%	0.28602	0.09365	0.30096	3.04%	1.00%	3.20%	3.2136	0.10056	2.86%
002.00	4	4	17.756	1.8868	17.756	1.8868	0.66710	10.63%	1.8845	0.13271	1.8892	10.61%	0.75%	10.64%	14.235	0.14250	2.59%
002.01	12	11	16.672	0.21007	16.660	0.20852	0.04446	1.25%	0.19022	0.12607	0.22821	1.14%	0.76%	1.37%	1.8101	0.13736	2.62%
002.02	4	4	16.589	0.30965	16.589	0.30965	0.10948	1.87%	0.30128	0.10115	0.31780	1.82%	0.61%	1.92%	3.1419	0.13175	2.62%
002.04	6	6	16.523	2.2491	16.625	0.48734	0.14068	2.93%	2.2475	0.11976	2.2507	13.60%	0.72%	13.62%	18.794	0.12833	2.62%
002.05	38	35	16.645	0.19172	16.627	0.17415	0.01998	1.05%	0.18601	0.06568	0.19727	1.12%	0.39%	1.19%	3.0033	0.08149	2.62%
002.06	135	132	16.892	0.28401	16.890	0.27760	0.01696	1.64%	0.26164	0.15623	0.30474	1.55%	0.92%	1.80%	1.9505	0.21522	2.61%
002.08	3	3	17.033	0.51550	17.033	0.51550	0.21045	3.03%	0.49698	0.19364	0.53337	2.92%	1.14%	3.13%	2.7544	0.22300	2.61%
002.10	2	0															
002.11	6	6	17.287	0.85002	17.233	0.85345	0.24637	4.95%	0.84858	0.06988	0.85146	4.91%	0.40%	4.93%	12.184	0.07667	2.61%
002.99	2	0															
003.00	15	14	3.5141	0.26948	3.5810	0.17438	0.03296	4.87%	0.26703	0.05124	0.27190	7.60%	1.46%	7.74%	5.3067	0.05391	3.30%
003.01	2	0															
003.06	20	19	3.4502	0.18238	3.4482	0.20254	0.03286	5.87%	0.17662	0.06427	0.18795	5.12%	1.86%	5.45%	2.9245	0.06951	3.32%
003.09	22	20	3.5146	0.13401	3.5122	0.10910	0.01645	3.11%	0.12302	0.07516	0.14417	3.50%	2.14%	4.10%	1.9180	0.07354	3.31%
003.10	29	26	3.2771	0.17539	3.2838	0.14697	0.01964	4.48%	0.16717	0.07505	0.18324	5.10%	2.29%	5.59%	2.4417	0.08473	3.34%
003.11	5	5	3.8670	0.27342	3.8670	0.27342	0.08646	7.07%	0.27291	0.02345	0.27392	7.06%	0.61%	7.08%	11.680	0.02600	3.26%
003.12	9	8	3.4892	0.08769	3.4669	0.12011	0.02831	3.46%	0.08639	0.02132	0.08898	2.48%	0.61%	2.55%	4.1739	0.02547	3.32%
003.13	10	8	3.4484	0.22794	3.4102	0.27442	0.06468	8.05%	0.22269	0.06876	0.23307	6.46%	1.99%	6.76%	3.3894	0.11400	3.33%
003.14	41	37	3.3944	0.20593	3.3740	0.22998	0.02604	6.82%	0.19407	0.09739	0.21714	5.72%	2.87%	6.40%	2.2296	0.09954	3.33%
003.99	4	3	3.4183	0.24085	2.5638	1.7204	0.60827	67.11%	0.24049	0.01871	0.24121	7.04%	0.55%	7.06%	12.893	0.01750	3.47%
004.00	24	23	4.5924	0.36800	4.5600	0.27249	0.03933	5.98%	0.35314	0.14639	0.38229	7.69%	3.19%	8.32%	2.6114	0.17300	3.18%
004.01	1		4.9100														
004.03	5	4	4.7175	0.60938	3.8860	1.9327	0.61118	49.74%	0.56860	0.30996	0.64759	12.05%	6.57%	13.73%	2.0893	0.28400	3.26%
004.06	32	30	4.5897	0.46053	4.5729	0.40610	0.05157	8.88%	0.45679	0.08277	0.46423	9.95%	1.80%	10.11%	5.6087	0.09466	3.18%

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004.07	62	58	4.6760	0.51630	4.6767	0.51293	0.04644	10.97%	0.50572	0.14702	0.52666	10.82%	3.14%	11.26%	3.5823	0.17349	3.17%
004.11	6	5	4.6570	0.61416	4.6570	0.61416	0.19422	13.19%	0.61396	0.02214	0.61436	13.18%	0.48%	13.19%	27.754	0.02200	3.17%
004.99	3	3	4.6000	0.89049	4.6000	0.89049	0.36354	19.36%	0.88321	0.16073	0.89771	19.20%	3.49%	19.52%	5.5853	0.18667	3.18%
005.00	98	92	11.772	0.57061	11.815	0.45373	0.03258	3.84%	0.55991	0.15549	0.58110	4.76%	1.32%	4.94%	3.7372	0.19403	2.76%
005.01	1		11.405														
005.02	1		12.215														
005.05	27	25	12.114	0.17457	12.093	0.18945	0.02578	1.57%	0.16034	0.09762	0.18772	1.32%	0.81%	1.55%	1.9230	0.10392	2.75%
005.11	5	5	7.7760	1.2297	7.7760	1.2297	0.38887	15.81%	1.2277	0.09899	1.2317	15.79%	1.27%	15.84%	12.442	0.10800	2.94%
005.99	10	9	11.848	0.34009	11.913	0.32150	0.07189	2.70%	0.33621	0.07250	0.34393	2.84%	0.61%	2.90%	4.7442	0.10200	2.75%
006.00	1		4.9100														
006.01	1		4.9400														
006.03	1		5.0000														
006.99	1		4.5500														
008.02	14	12	6.6332	0.61343	6.5306	0.51228	0.10047	7.84%	0.60998	0.09182	0.61686	9.20%	1.38%	9.30%	6.7180	0.12419	3.02%
008.05	1		6.7000														
008.08	38	36	6.4015	0.62194	6.3802	0.52317	0.06082	8.20%	0.60700	0.19158	0.63652	9.48%	2.99%	9.94%	3.3225	0.23234	3.03%
008.99	1		5.6500														
009.04	1		17.470														
009.07	10	10	18.793	1.0910	18.793	1.2372	0.27664	6.58%	1.0643	0.33913	1.1170	5.66%	1.80%	5.94%	3.2938	0.37333	2.57%
009.09	37	33	17.863	0.94474	17.792	1.0181	0.12169	5.72%	0.90434	0.38651	0.98348	5.06%	2.16%	5.51%	2.5445	0.45636	2.59%
009.99	3	3	19.025	1.7157	19.025	1.7157	0.70045	9.02%	1.7069	0.24634	1.7246	8.97%	1.29%	9.06%	7.0007	0.33667	2.57%
010.03	3	3	9.1367	0.41274	9.1367	0.41274	0.16850	4.52%	0.29940	0.40179	0.50107	3.28%	4.40%	5.48%	1.2471	0.51333	2.87%
010.11	5	5	9.8670	0.41608	9.8670	0.41608	0.13158	4.22%	0.41559	0.02846	0.41656	4.21%	0.29%	4.22%	14.637	0.03800	2.83%
010.99	8	8	9.4856	0.45951	9.4494	0.42344	0.10586	4.48%	0.45627	0.07693	0.46272	4.81%	0.81%	4.88%	6.0145	0.09375	2.85%
011.01	70	64	10.192	0.29081	10.195	0.29589	0.02537	2.90%	0.28267	0.09663	0.29873	2.77%	0.95%	2.93%	3.0914	0.10749	2.82%
011.02	2	0															
011.03	1		7.8550														
011.99	4	3	9.9433	0.22541	9.4825	0.93986	0.33229	9.91%	0.21337	0.10279	0.23684	2.15%	1.03%	2.38%	2.3040	0.49500	2.85%
012.00	15	14	30.581	1.3397	30.676	1.1401	0.20816	3.72%	1.3300	0.22788	1.3494	4.35%	0.75%	4.41%	5.9214	0.20133	2.39%
012.01	5	5	28.964	1.2777	28.964	1.2777	0.40405	4.41%	0.98475	1.1514	1.5151	3.40%	3.98%	5.23%	1.3159	1.4793	2.41%
012.02	1		29.500														
012.03	4	4	31.211	3.2319	31.211	3.2319	1.1427	10.36%	3.2277	0.23449	3.2362	10.34%	0.75%	10.37%	13.801	0.25250	2.38%
012.04	6	6	30.599	2.5058	30.124	1.7529	0.50603	5.82%	2.4454	0.77359	2.5648	7.99%	2.53%	8.38%	3.3155	0.86833	2.40%
012.11	5	5	35.055	2.7633	35.055	2.7633	0.87383	7.88%	2.7622	0.10977	2.7644	7.88%	0.31%	7.89%	25.183	0.12600	2.34%
012.99	1		29.900														
013.00	21	20	4.2143	0.42625	4.2098	0.35143	0.05423	8.35%	0.41028	0.16349	0.44165	9.74%	3.88%	10.48%	2.7015	0.17762	3.22%
013.02	25	23	4.7984	0.31200	4.7793	0.29890	0.04227	6.25%	0.29126	0.15821	0.33145	6.07%	3.30%	6.91%	2.0950	0.19932	3.16%
013.08	1		2.2550														
013.10	9	8	4.3169	0.37562	4.4151	0.35785	0.08435	8.11%	0.37119	0.08134	0.37999	8.60%	1.88%	8.80%	4.6719	0.09033	3.20%
013.12	2	0															
013.13	4	3	5.1850	0.49404	5.0650	0.46938	0.16595	9.27%	0.49221	0.06014	0.49587	9.49%	1.16%	9.56%	8.2454	0.24500	3.13%
015.41	6	5	55.176	33.858	55.176	33.858	10.707	61.36%	33.850	1.0345	33.865	61.35%	1.87%	61.38%	32.736	1.0498	8.75%
015.42	1		56.500														

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015.43	8	8	63.720	14.309	63.848	15.995	3.9988	25.05%	13.982	4.3018	14.629	21.94%	6.75%	22.96%	3.4006	4.2032	8.56%
015.53	1		104.50														
017.41	2	0															
017.42	4	4	6.8975	0.15982	6.8975	0.15982	0.05650	2.32%	0.05726	0.21101	0.21864	0.83%	3.06%	3.17%	1.0362	0.27500	11.96%
017.43	7	7	6.6316	1.7623	6.5471	1.3800	0.36881	21.08%	1.2550	1.7496	2.1531	18.92%	26.38%	32.47%	1.2307	1.4740	12.06%
019.00	19	18	3.4388	0.15214	3.4580	0.17480	0.02836	5.06%	0.14921	0.04199	0.15501	4.34%	1.22%	4.51%	3.6911	0.04826	3.32%
019.02	1		3.4500														
019.03	1		3.6652														
019.08	11	9	3.4569	0.13687	3.4945	0.13997	0.03130	4.01%	0.13610	0.02059	0.13765	3.94%	0.60%	3.98%	6.6847	0.02200	3.31%
019.09	1		3.4070														
019.31	27	23	3.4530	0.21795	3.4288	0.22487	0.03118	6.56%	0.21628	0.03804	0.21960	6.26%	1.10%	6.36%	5.7735	0.06120	3.32%
019.32	3	3	3.7248	0.61942	3.7248	0.61942	0.25288	16.63%	0.61795	0.06031	0.62089	16.59%	1.62%	16.67%	10.295	0.06500	3.28%
019.33	1		3.6250														
019.41	36	33	3.5011	0.16350	3.4935	0.13412	0.01603	3.84%	0.15824	0.05819	0.16860	4.52%	1.66%	4.82%	2.8975	0.06557	3.31%
019.42	20	18	3.5542	0.18370	3.5426	0.19593	0.03178	5.53%	0.17316	0.08673	0.19367	4.87%	2.44%	5.45%	2.2329	0.10881	3.31%
019.43	19	19	3.4614	0.20059	3.4673	0.19115	0.03101	5.51%	0.19532	0.06458	0.20572	5.64%	1.87%	5.94%	3.1857	0.06421	3.32%
019.44	1		3.3800														
019.52	3	3	3.3408	0.07675	3.3408	0.07675	0.03133	2.30%	0.06070	0.06642	0.08998	1.82%	1.99%	2.69%	1.3547	0.08530	3.34%
019.53	1		3.4683														
019.99	6	5	3.6074	0.23007	3.5083	0.36090	0.10418	10.29%	0.22798	0.04370	0.23213	6.32%	1.21%	6.43%	5.3121	0.05067	3.31%
021.00	1		0.0000														
021.31	4	3	0.81833	0.11295	1.2263	0.82103	0.29028	66.95%	0.09478	0.08689	0.12858	11.58%	10.62%	15.71%	1.4798	0.09750	15.51%
021.41	3	3	0.66342	0.25245	0.66342	0.25245	0.10306	38.05%	0.25142	0.03224	0.25348	37.90%	4.86%	38.21%	7.8617	0.04490	17.02%
021.42	1		0.61750														
021.43	2	0															
021.52	2	0															
021.53	3	3	0.55773	0.20783	0.55773	0.20783	0.08484	37.26%	0.20454	0.05210	0.21107	36.67%	9.34%	37.84%	4.0512	0.05200	17.47%
022.31	17	15	15.548	1.3906	15.232	1.4564	0.24977	9.56%	1.3033	0.68592	1.4728	8.38%	4.41%	9.47%	2.1472	0.69706	10.62%
022.32	3	3	13.105	2.8179	13.105	2.8179	1.1504	21.50%	2.8003	0.44439	2.8354	21.37%	3.39%	21.64%	6.3803	0.47667	10.86%
022.33	2	0															
022.41	26	23	13.955	1.1720	13.998	1.2651	0.17544	9.04%	1.0423	0.75785	1.2887	7.47%	5.43%	9.24%	1.7005	0.93081	10.75%
022.42	18	15	14.499	1.4993	14.766	1.7834	0.30585	12.08%	1.4085	0.72683	1.5850	9.71%	5.01%	10.93%	2.1807	0.90824	10.67%
022.43	15	14	14.186	1.6087	13.915	1.8276	0.33367	13.13%	1.5429	0.64386	1.6718	10.88%	4.54%	11.78%	2.5966	0.56873	10.76%
022.52	1		14.500														
022.53	2	0															
022.99	2	0															
023.01	1		7.6000														
025.31	18	16	157.03	9.8320	155.56	8.3228	1.4273	5.35%	9.6506	2.6587	10.010	6.15%	1.69%	6.37%	3.7650	3.3656	7.48%
025.32	3	3	224.55	130.32	224.55	130.32	53.201	58.03%	130.26	5.5195	130.37	58.01%	2.46%	58.06%	23.621	6.4967	7.08%
025.33	2	0															
025.41	27	24	143.28	8.0688	144.05	8.6235	1.1959	5.99%	7.8047	2.8956	8.3245	5.45%	2.02%	5.81%	2.8749	3.5842	7.57%
025.42	16	14	147.77	12.287	149.69	14.359	2.6216	9.59%	11.857	4.5608	12.703	8.02%	3.09%	8.60%	2.7854	5.2540	7.53%
025.43	15	13	141.07	17.793	143.92	20.341	3.8441	14.13%	17.742	1.8937	17.843	12.58%	1.34%	12.65%	9.4221	1.9464	7.57%

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025.52	2	0															
025.99	2	0															
027.31	18	16	0.26366	0.01273	0.26237	0.01340	0.00230	5.11%	0.01249	0.00344	0.01296	4.74%	1.31%	4.92%	3.7641	0.00409	4.89%
027.32	2	0															
027.33	1		0.28500														
027.41	30	28	0.26691	0.01218	0.26659	0.01367	0.00176	5.13%	0.01165	0.00504	0.01269	4.36%	1.89%	4.76%	2.5186	0.00631	4.88%
027.42	17	16	0.26731	0.01722	0.26287	0.01547	0.00265	5.88%	0.01651	0.00692	0.01790	6.18%	2.59%	6.70%	2.5860	0.00673	4.89%
027.43	15	13	0.25835	0.01653	0.26081	0.01714	0.00324	6.57%	0.01632	0.00371	0.01674	6.32%	1.44%	6.48%	4.5103	0.00486	4.90%
027.52	1		0.25245														
027.53	1		0.27920														
027.99	3	2	0.28000	0.01414	0.23667	0.07572	0.03091	31.99%	0.01414	0.00000	0.01414	5.05%	0.00%	5.05%		0.00667	4.97%
028.31	19	17	150.98	9.4598	150.62	10.087	1.6811	6.70%	9.1335	3.4836	9.7753	6.05%	2.31%	6.47%	2.8061	3.4757	7.52%
028.32	3	2	142.50	0.00000	146.55	7.0148	2.8638	4.79%		4.3012			3.02%			5.8333	7.55%
028.33	2	0															
028.41	29	27	147.26	7.5352	148.01	7.1698	0.94144	4.84%	7.2233	3.0340	7.8346	4.91%	2.06%	5.32%	2.5823	3.6198	7.54%
028.42	18	17	153.08	10.518	154.30	12.502	2.0836	8.10%	8.3423	9.0584	12.315	5.45%	5.92%	8.04%	1.3595	9.7072	7.49%
028.43	18	17	153.14	8.6671	152.40	9.3106	1.5518	6.11%	6.4819	8.1367	10.403	4.23%	5.31%	6.79%	1.2785	8.6839	7.51%
028.44	2	0															
028.52	3	3	146.88	14.273	146.88	14.273	5.8269	9.72%	13.457	6.7257	15.044	9.16%	4.58%	10.24%	2.2369	8.7000	7.55%
028.53	1		165.10														
028.99	2	0															
031.00	1		0.62000														
031.01	55	51	0.60757	0.03954	0.60404	0.03058	0.00294	5.06%	0.03852	0.01261	0.04053	6.34%	2.08%	6.67%	3.2137	0.01525	4.31%
031.02	3	3	0.60925	0.01411	0.60925	0.01411	0.00576	2.32%	0.01347	0.00597	0.01473	2.21%	0.98%	2.42%	2.4684	0.00790	4.31%
031.03	5	4	0.60016	0.00843	59.539	131.79	41.676	221.35%	0.00678	0.00708	0.00981	1.13%	1.18%	1.63%	1.3849	117.89	2.16%
031.06	2	0															
031.41	34	31	0.60201	0.03016	0.60275	0.02541	0.00313	4.21%	0.02912	0.01112	0.03117	4.84%	1.85%	5.18%	2.8021	0.01265	4.32%
031.42	20	18	0.60125	0.02434	0.60570	0.02476	0.00402	4.09%	0.02296	0.01145	0.02565	3.82%	1.90%	4.27%	2.2402	0.01117	4.31%
031.43	20	19	0.60003	0.02058	0.60268	0.01949	0.00308	3.23%	0.01863	0.01235	0.02235	3.11%	2.06%	3.73%	1.8104	0.01452	4.32%
031.44	1		0.55350														
031.52	1		0.54010														
031.53	1		0.63060														
031.99	7	6	0.57500	0.02665	0.56457	0.04171	0.01115	7.39%	0.01897	0.02646	0.03256	3.30%	4.60%	5.66%	1.2306	0.02714	4.36%
032.02	3	3	0.85833	0.01258	0.85833	0.01258	0.00514	1.47%		0.01871			2.18%			0.02333	4.09%
032.08	1		0.88450														
032.31	23	20	0.88840	0.09281	0.90105	0.06163	0.00929	6.84%	0.09231	0.01359	0.09330	10.39%	1.53%	10.50%	6.8670	0.02034	4.06%
032.32	1		0.87500														
032.41	30	29	0.90794	0.03711	0.90894	0.03527	0.00463	3.88%	0.03396	0.02113	0.04000	3.74%	2.33%	4.41%	1.8929	0.02153	4.06%
032.42	19	17	0.92470	0.04184	0.92875	0.04442	0.00740	4.78%	0.03919	0.02072	0.04433	4.24%	2.24%	4.79%	2.1395	0.02724	4.04%
032.43	16	14	0.90946	0.05912	0.90140	0.06120	0.01082	6.79%	0.05806	0.01574	0.06016	6.38%	1.73%	6.61%	3.8218	0.01968	4.06%
032.52	1		0.84445														
032.53	1		0.96980														
032.99	3	3	0.85167	0.11558	0.85167	0.11558	0.04718	13.57%	0.11511	0.01472	0.11605	13.52%	1.73%	13.63%	7.8838	0.01667	4.10%

Method Code	Total # Labs Submitting	# Labs Included In Method 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
033.00	28	23	0.55590	0.05175	0.54483	0.05221	0.00724	9.58%	0.05129	0.00973	0.05221	9.23%	1.75%	9.39%	5.3637	0.01111	4.38%
033.01	37	35	0.59915	0.02234	0.59742	0.01541	0.00182	2.58%	0.02137	0.00919	0.02327	3.57%	1.53%	3.88%	2.5315	0.00808	4.32%
033.03	6	6	0.51083	0.06344	0.51083	0.07194	0.02077	14.08%	0.06058	0.02661	0.06617	11.86%	5.21%	12.95%	2.4862	0.03167	4.43%
033.05	2	0															
033.99	10	9	0.57894	0.15381	0.55255	0.05793	0.01295	10.48%	0.15357	0.01199	0.15404	26.53%	2.07%	26.61%	12.844	0.01530	4.37%
034.01	2	0															
034.04	3	3	0.52833	0.02566	0.52833	0.02566	0.01047	4.86%	0.02273	0.01683	0.02828	4.30%	3.19%	5.35%	1.6803	0.01667	17.61%
034.41	1		0.51800														
034.42	1		2.7750														
034.52	2	0															
034.53	5	4	0.60144	0.04914	0.93615	0.74965	0.23706	80.08%	0.03349	0.05086	0.06090	5.57%	8.46%	10.13%	1.1973	0.47478	16.16%
034.99	1		0.57500														
035.01	3	3	0.20150	0.05339	0.20150	0.05339	0.02180	26.50%	0.05337	0.00168	0.05340	26.49%	0.84%	26.50%	31.725	0.00167	5.09%
035.05	6	6	0.19700	0.01319	0.19700	0.01496	0.00432	7.59%	0.01254	0.00577	0.01381	6.37%	2.93%	7.01%	2.3917	0.00667	5.11%
035.31	23	21	0.20367	0.01584	0.20422	0.01640	0.00242	8.03%	0.01456	0.00882	0.01703	7.15%	4.33%	8.36%	1.9304	0.00990	5.08%
035.32	1		0.19500														
035.41	32	30	0.20171	0.01658	0.20057	0.01438	0.00180	7.17%	0.01604	0.00591	0.01710	7.95%	2.93%	8.48%	2.8939	0.00707	5.09%
035.42	18	15	0.19879	0.01054	0.19885	0.01381	0.00237	6.95%	0.00957	0.00627	0.01144	4.81%	3.16%	5.75%	1.8233	0.00629	5.10%
035.43	13	12	0.19351	0.01230	0.19511	0.01484	0.00291	7.60%	0.01180	0.00490	0.01277	6.10%	2.53%	6.60%	2.6072	0.00492	5.11%
035.52	1		0.21260														
035.53	1		0.21215														
035.99	4	3	0.20500	0.01500	0.45000	0.49015	0.17330	108.92%	0.01472	0.00408	0.01528	7.18%	1.99%	7.45%	3.7417	0.01000	4.51%
036.04	4	4	0.18050	0.01666	0.18050	0.01666	0.00589	9.23%	0.01607	0.00626	0.01724	8.90%	3.47%	9.55%	2.7556	0.00615	5.18%
036.42	19	17	0.22008	0.02889	0.22202	0.03295	0.00549	14.84%	0.02878	0.00342	0.02899	13.08%	1.55%	13.17%	8.4705	0.00452	5.02%
036.43	9	8	0.20728	0.02291	0.20699	0.01413	0.00333	6.83%	0.02254	0.00578	0.02327	10.88%	2.79%	11.23%	4.0275	0.00761	5.07%
036.99	2	0															
037.31	19	16	113.19	7.1712	111.50	8.4474	1.4079	7.58%	6.9740	2.3620	7.3632	6.16%	2.09%	6.50%	3.1173	3.0061	7.87%
037.32	3	3	120.23	11.066	120.23	11.066	4.5178	9.20%	10.898	2.7154	11.232	9.06%	2.26%	9.34%	4.1363	3.6000	7.78%
037.33	2	0															
037.41	27	24	108.82	6.8610	108.81	6.9935	0.96982	6.43%	5.9317	4.8760	7.6786	5.45%	4.48%	7.06%	1.5748	6.0508	7.90%
037.42	18	15	115.45	8.9475	112.99	9.2610	1.5882	8.20%	8.1803	5.1263	9.6538	7.09%	4.44%	8.36%	1.8832	6.0476	7.85%
037.43	16	16	108.54	8.6945	108.81	9.2387	1.6332	8.49%	8.4600	2.8369	8.9230	7.79%	2.61%	8.22%	3.1453	2.8553	7.90%
037.52	1		114.00														
037.53	1		108.15														
037.99	3	3	100.67	18.373	100.67	18.373	7.5009	18.25%	18.205	3.5119	18.540	18.08%	3.49%	18.42%	5.2794	4.0000	7.99%
038.41	3	3	1.2826	0.01563	1.2826	0.01563	0.00638	1.22%		0.17426			13.59%			0.16620	15.41%
038.42	4	4	0.61425	0.71862	0.61425	0.71862	0.25407	116.99%	0.71820	0.03479	0.71904	116.92%	5.66%	117.06%	20.667	0.03450	17.21%
038.43	7	6	1.2266	0.18414	1.2266	0.20882	0.06028	17.02%	0.17891	0.06165	0.18923	14.59%	5.03%	15.43%	3.0694	0.07117	15.51%
038.52	2	0															
038.53	4	4	1.2616	0.20307	1.2616	0.20307	0.07179	16.10%	0.19083	0.09819	0.21461	15.13%	7.78%	17.01%	2.1857	0.10850	15.45%
040.42	1		11.350														
040.52	1		9.5500														
041.53	1		0.38300														

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042.00	2	0															
065.99	1		0.00000														
079.99	1		0.00000														
091.99	1		0.00000														
101.02	1		2,318.0														
102.00	1		5.9800														
102.01	1		67.600														
103.01	1		11.700														
103.02	1		19.800														
104.00	1		5.6450														
104.03	2	0															
105.00	3	2	3.5200	0.39598	3.3667	0.38592	0.15755	11.46%	0.39598	0.00000	0.39598	11.25%	0.00%	11.25%		0.03333	13.33%
106.01	1		3.8600														
106.02	20	18	4.8328	1.8238	4.8677	1.5887	0.25120	32.64%	1.8046	0.37367	1.8429	37.34%	7.73%	38.13%	4.9317	0.45009	31.65%
107.00	1		12.950														
108.01	1		1.7350														
108.02	3	3	1.5817	0.98027	1.5817	0.98027	0.40019	61.98%	0.97880	0.07605	0.98175	61.88%	4.81%	62.07%	12.910	0.09000	37.49%
109.02	22	19	27.762	13.341	29.429	13.381	2.0648	45.47%	13.314	1.2132	13.369	47.96%	4.37%	48.16%	11.019	1.5672	9.62%
112.00	1		5.5850														
113.01	1		0.77900														
114.01	1		0.19050														
120.00	16	15	0.87807	0.02263	0.88152	0.01291	0.00228	1.46%	0.02157	0.00969	0.02365	2.46%	1.10%	2.69%	2.4405	0.01022	4.08%
120.01	2	0															
120.02	2	0															
120.05	4	4	0.83138	0.02137	0.83138	0.02137	0.00755	2.57%	0.01312	0.02385	0.02722	1.58%	2.87%	3.27%	1.1415	0.02225	4.11%
120.99	1		0.92000														
121.00	15	15	1.0214	0.04863	1.0265	0.04359	0.00796	4.25%	0.04749	0.01478	0.04974	4.65%	1.45%	4.87%	3.3652	0.01663	3.98%
121.01	1		1.0450														
121.02	2	0															
121.05	4	3	1.0353	0.00058	1.0330	0.00469	0.00166	0.45%		0.03496			3.38%			0.04700	3.98%
121.99	1		1.2600														
122.00	15	15	1.4205	0.05406	1.4164	0.04946	0.00903	3.49%	0.05195	0.02118	0.05610	3.66%	1.49%	3.95%	2.6488	0.02341	3.80%
122.01	1		1.3140														
122.02	2	0															
122.05	4	4	1.4211	0.03470	1.4211	0.03470	0.01227	2.44%		0.07973			5.61%			0.09275	3.79%
122.99	1		0.96500														
124.00	15	14	0.30227	0.01873	0.29927	0.01417	0.00268	4.74%	0.01832	0.00551	0.01914	6.06%	1.82%	6.33%	3.4719	0.00618	4.80%
124.01	1		0.27750														
124.02	2	0															
124.05	2	0															
124.99	2	0															
125.00	16	16	3.1194	0.17243	3.0993	0.10442	0.01846	3.37%	0.17102	0.03118	0.17384	5.48%	1.00%	5.57%	5.5751	0.03723	3.37%
125.01	1		3.0935														

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125.02	2	0															
125.05	4	4	3.0121	0.09785	3.0121	0.09785	0.03459	3.25%	0.07404	0.09047	0.11690	2.46%	3.00%	3.88%	1.2922	0.09975	3.39%
125.99	1		2.9300														
126.00	15	15	0.73944	0.01702	0.73969	0.01638	0.00299	2.22%	0.01581	0.00889	0.01814	2.14%	1.20%	2.45%	2.0399	0.00897	4.19%
126.01	1		0.69700														
126.02	2	0															
126.05	4	4	0.74650	0.03180	0.74650	0.03180	0.01124	4.26%	0.01774	0.03733	0.04133	2.38%	5.00%	5.54%	1.1071	0.03700	4.18%
126.99	1		1.0600														
127.00	15	14	0.43973	0.01967	0.44170	0.01039	0.00190	2.35%	0.01861	0.00903	0.02069	4.23%	2.05%	4.70%	2.2901	0.01045	4.52%
127.01	1		0.35400														
127.02	2	0															
127.05	4	3	0.45500	0.01285	54.644	108.38	38.318	198.33%	0.01123	0.00885	0.01430	2.47%	1.95%	3.14%	1.6154	108.40	2.19%
127.99	1		0.43000														
128.00	16	16	0.62387	0.02026	0.62328	0.01949	0.00345	3.13%	0.01872	0.01094	0.02169	3.00%	1.75%	3.48%	1.9821	0.01183	4.29%
128.01	2	0															
128.02	2	0															
128.05	4	4	0.59038	0.07051	0.59038	0.07051	0.02493	11.94%	0.06727	0.02989	0.07361	11.39%	5.06%	12.47%	2.4632	0.03525	4.33%
128.99	1		0.47500														
129.00	15	15	1.3739	0.03372	1.3732	0.02715	0.00496	1.98%	0.03180	0.01587	0.03554	2.31%	1.16%	2.59%	2.2390	0.01547	3.81%
129.01	1		1.3205														
129.02	2	0															
129.05	4	4	1.3263	0.04427	1.3263	0.04427	0.01565	3.34%	0.03127	0.04431	0.05423	2.36%	3.34%	4.09%	1.2240	0.05000	3.83%
129.99	1		1.3700														
130.00	17	17	0.74303	0.02106	0.74374	0.01475	0.00253	1.98%	0.01720	0.01718	0.02431	2.32%	2.31%	3.27%	1.4152	0.01807	4.18%
130.01	3	3	0.77300	0.08152	0.77300	0.08152	0.03328	10.55%	0.08135	0.00746	0.08169	10.52%	0.97%	10.57%	10.949	0.00933	4.16%
130.02	2	0															
130.05	7	7	0.72600	0.03814	0.72727	0.04075	0.01089	5.60%	0.02554	0.04006	0.04751	3.52%	5.52%	6.54%	1.1859	0.03743	4.20%
130.99	2	0															
131.00	17	15	0.28654	0.01540	0.28658	0.01474	0.00253	5.14%	0.01480	0.00599	0.01597	5.17%	2.09%	5.57%	2.6671	0.00774	4.83%
131.01	2	0															
131.02	2	0															
131.05	5	5	0.26850	0.02846	0.26850	0.02846	0.00900	10.60%	0.02719	0.01188	0.02967	10.13%	4.42%	11.05%	2.4979	0.01180	4.87%
131.99	3	3	0.26467	0.03120	0.26467	0.03120	0.01274	11.79%	0.03065	0.00827	0.03175	11.58%	3.12%	11.99%	3.8403	0.00800	4.89%
132.00	16	16	0.75823	0.02929	0.75854	0.02817	0.00498	3.71%	0.02853	0.00939	0.03003	3.76%	1.24%	3.96%	3.1988	0.00929	4.17%
132.01	2	0															
132.02	2	0															
132.05	4	3	0.73700	0.01579	0.75050	0.02992	0.01058	3.99%	0.01530	0.00551	0.01626	2.08%	0.75%	2.21%	2.9525	0.02000	4.18%
132.99	1		0.71500														
133.00	15	13	1.0771	0.05367	1.0774	0.03335	0.00609	3.10%	0.05272	0.01418	0.05460	4.89%	1.32%	5.07%	3.8494	0.01753	3.96%
133.05	4	4	1.1130	0.02119	1.1130	0.02119	0.00749	1.90%	0.01561	0.02028	0.02559	1.40%	1.82%	2.30%	1.2618	0.02200	3.94%
133.99	2	0															
134.00	15	15	0.77903	0.05460	0.78311	0.03286	0.00600	4.20%	0.05426	0.00862	0.05494	6.97%	1.11%	7.05%	6.3746	0.00981	4.15%
134.01	1		0.76400														

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134.02	2	0															
134.05	4	4	0.78863	0.05255	0.78863	0.05255	0.01858	6.66%	0.04916	0.02626	0.05574	6.23%	3.33%	7.07%	2.1225	0.03175	4.15%
134.99	1		0.89000														
135.00	16	16	0.60484	0.03240	0.60123	0.02416	0.00427	4.02%	0.03207	0.00656	0.03273	5.30%	1.09%	5.41%	4.9872	0.00717	4.32%
135.01	2	0															
135.02	2	0															
135.05	4	4	0.59113	0.00569	0.59113	0.00569	0.00201	0.96%		0.02264			3.83%			0.02475	4.33%
135.99	1		0.63000														
136.00	4	3	0.22133	0.01858	0.21708	0.01740	0.00615	8.02%	0.01850	0.00245	0.01866	8.36%	1.11%	8.43%	7.6194	0.01170	5.03%
136.01	6	5	0.21480	0.00716	0.21480	0.00716	0.00226	3.33%	0.00710	0.00126	0.00721	3.31%	0.59%	3.36%	5.7009	0.00160	5.04%
136.02	2	0															
136.03	2	0															
136.99	1		0.23000														
137.00	10	10	0.51812	0.05311	0.51812	0.06023	0.01347	11.62%	0.05184	0.01636	0.05435	10.00%	3.16%	10.49%	3.3234	0.01628	4.42%
137.01	1		0.56200														
137.02	2	0															
137.05	4	4	0.49163	0.06293	0.49163	0.06293	0.02225	12.80%	0.06199	0.01532	0.06386	12.61%	3.12%	12.99%	4.1690	0.01625	4.45%
137.99	1		0.52000														
138.00	16	16	0.77338	0.03312	0.77519	0.02943	0.00520	3.80%	0.03188	0.01272	0.03432	4.12%	1.64%	4.44%	2.6994	0.01463	4.16%
138.01	2	0															
138.02	2	0															
138.05	4	4	0.77475	0.10515	0.77475	0.10515	0.03718	13.57%	0.10453	0.01616	0.10577	13.49%	2.09%	13.65%	6.5438	0.01700	4.16%
138.99	1		0.78000														
139.00	2	0															
139.02	2	0															
150.00	6	6	1,163.2	226.57	1,147.0	228.82	66.055	19.95%	222.03	63.859	231.03	19.09%	5.49%	19.86%	3.6178	65.133	#DIV/0!
150.99	2	0															
160.99	4	4	0.29463	0.10753	0.29463	0.10753	0.03802	36.50%	0.10707	0.01400	0.10798	36.34%	4.75%	36.65%	7.7106	0.01825	4.81%
161.99	1		0.00000														
162.99	5	4	0.37763	0.06531	0.48210	0.24036	0.07601	49.86%	0.06346	0.02187	0.06712	16.80%	5.79%	17.77%	3.0695	0.02300	4.46%
163.99	2	0															
164.99	4	4	0.40650	0.15505	0.40650	0.15505	0.05482	38.14%	0.15196	0.04353	0.15807	37.38%	10.71%	38.89%	3.6316	0.04650	4.58%
165.99	5	5	2.2145	0.26802	2.2145	0.26802	0.08475	12.10%	0.26540	0.05286	0.27061	11.98%	2.39%	12.22%	5.1194	0.06180	3.55%
166.99	1		0.62850														
167.99	1		0.63550														
200.99	1		0.00000														
210.99	1		2.4200														
400.01	4	4	0.55348	0.03475	0.55348	0.03475	0.01229	6.28%	0.03463	0.00421	0.03488	6.26%	0.76%	6.30%	8.2837	0.00480	#DIV/0!
516.00	3	2	0.09615	0.01959	0.09338	0.01466	0.00598	15.69%	0.01959	0.00000	0.01959	20.37%	0.00%	20.37%		0.00397	22.86%
516.42	1		0.10850														
516.52	2	0															
516.53	5	5	0.08084	0.02358	0.08084	0.02358	0.00746	29.17%	0.02303	0.00716	0.02412	28.49%	8.86%	29.83%	3.3687	0.00840	23.36%
518.31	1		0.00000														

Method Code	Total # Labs Submitting	# Labs Included In Method 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
518.34	2	0															
518.41	5	5	0.07865	0.02311	0.07865	0.02311	0.00731	29.38%	0.02268	0.00629	0.02353	28.83%	7.99%	29.92%	3.7432	0.00710	23.45%
518.43	2	0															
518.52	2	0															
518.53	5	4	0.09190	0.00989	0.09312	0.00899	0.00284	9.65%	0.00987	0.00101	0.00992	10.74%	1.10%	10.79%	9.8315	0.00420	22.87%
520.31	2	0															
520.34	1		2.0000														
520.41	3	3	1.8996	0.08000	1.8996	0.08000	0.03266	4.21%	0.06241	0.07078	0.09437	3.29%	3.73%	4.97%	1.3332	0.09183	14.52%
520.43	5	5	2.0781	0.49142	2.0781	0.49142	0.15540	23.65%	0.48753	0.08726	0.49528	23.46%	4.20%	23.83%	5.6757	0.08460	14.33%
520.52	1		1.1000														
520.53	4	4	2.3736	0.46720	2.3736	0.46720	0.16518	19.68%	0.45959	0.11879	0.47470	19.36%	5.00%	20.00%	3.9961	0.15008	14.05%
520.99	1		2.7450														
526.31	2	0															
526.34	1		0.01000														
526.41	2	0															
526.43	2	0															
526.52	2	0															
526.53	5	5	0.08130	0.05011	0.08130	0.05011	0.01585	61.64%	0.04992	0.00615	0.05030	61.41%	7.57%	61.87%	8.1731	0.00576	23.34%
529.00	1		0.00000														
529.99	3	2	14.708	15.970	12.472	11.938	4.8737	95.72%	15.970	0.08500	15.970	108.58%	0.58%	108.58%	187.88	0.72333	10.94%
539.31	1		1.8500														
539.34	1		2.7750														
539.41	1		1.8188														
539.43	3	2	1.9450	0.37477	1.9207	0.26833	0.10955	13.97%	0.37477	0.00000	0.37477	19.27%	0.00%	19.27%		0.03533	14.50%
539.52	1		3.4000														
539.53	4	4	2.0197	0.47195	2.0197	0.47195	0.16686	23.37%	0.46495	0.11450	0.47885	23.02%	5.67%	23.71%	4.1819	0.12845	14.39%
600.01	3	3	4.5733	3.4000												1.0000	
600.03	1		2.5000														
600.11	1		3.6000														
600.20	1		3.0000														
610.01	2	0															
620.04	1		1,025.0														
640.01	1		110.30														
650.01	1		135.00														