

AAFCO Check Sample Program

All Methods Report

Sort by Method

Proficiency For Individual Methods

Sample # 201521

Beef Supplement

Regular Program



AAFCO

Check Sample Program



Issue Date : 02/28/2015

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	6	5	22.964	12.508	22.964	12.508	3.9554	54.47%	12.508	0.08416	12.508	54.47%	0.37%	54.47%	148.63	0.10100	2.50%
000.99	2	0															
001.00	6	6	9.0170	1.8157	8.8193	1.6835	0.48600	19.09%	1.8138	0.11883	1.8177	20.12%	1.32%	20.16%	15.297	0.13053	2.88%
001.03	11	11	7.6500	0.47876	7.6500	0.54292	0.11575	7.10%	0.47808	0.03617	0.47945	6.25%	0.47%	6.27%	13.255	0.03895	2.94%
001.05	1		6.8900														
001.07	37	34	7.7512	0.89587	7.8066	0.80575	0.09496	10.32%	0.89368	0.08855	0.89806	11.53%	1.14%	11.59%	10.142	0.09750	2.94%
001.08	3	3	8.5317	0.74800	8.5317	0.74800	0.43186	8.77%	0.71421	0.31435	0.78033	8.37%	3.68%	9.15%	2.4824	0.42333	2.90%
001.99	17	17	8.7279	2.3819	8.4552	2.0862	0.35778	24.67%	2.3792	0.15802	2.3845	27.26%	1.81%	27.32%	15.090	0.17033	2.90%
002.00	3	3	82.323	0.52422	82.323	0.52422	0.30266	0.64%	0.46396	0.34511	0.57824	0.56%	0.42%	0.70%	1.6755	0.46000	2.06%
002.01	14	12	83.208	0.60083	83.325	0.44485	0.08407	0.53%	0.56080	0.30493	0.63834	0.67%	0.37%	0.77%	2.0934	0.39907	2.06%
002.02	4	4	82.895	1.0630	82.895	1.0630	0.53150	1.28%	1.0500	0.23423	1.0758	1.27%	0.28%	1.30%	4.5930	0.30448	2.06%
002.04	7	7	81.881	2.2494	82.760	0.81049	0.21661	0.98%	2.2030	0.64287	2.2948	2.69%	0.79%	2.80%	3.5697	0.56229	2.06%
002.05	37	34	83.186	0.72492	83.175	0.73305	0.08522	0.88%	0.70460	0.24105	0.74469	0.85%	0.29%	0.90%	3.0894	0.29052	2.06%
002.06	137	129	84.337	0.80835	84.370	0.72144	0.04391	0.86%	0.76126	0.38447	0.85284	0.90%	0.46%	1.01%	2.2182	0.43985	2.05%
002.08	3	3	83.854	0.67739	83.854	0.67739	0.39109	0.81%	0.46567	0.69572	0.83718	0.56%	0.83%	1.00%	1.2033	0.80367	2.05%
002.11	1		86.915														
002.99	2	0															
003.00	14	11	2.3543	0.54033	2.5715	0.61168	0.11996	23.79%	0.53888	0.05588	0.54177	22.89%	2.37%	23.01%	9.6945	0.10328	3.47%
003.01	2	0															
003.06	18	15	1.7740	0.19856	1.7674	0.15848	0.02641	8.97%	0.19414	0.05889	0.20288	10.94%	3.32%	11.44%	3.4450	0.09217	3.67%
003.09	25	23	2.3660	0.63548	2.2957	0.54162	0.07818	23.59%	0.63380	0.06530	0.63715	26.79%	2.76%	26.93%	9.7568	0.07549	3.53%
003.10	28	27	1.6007	0.18564	1.5966	0.18133	0.02423	11.36%	0.18190	0.05241	0.18930	11.36%	3.27%	11.83%	3.6116	0.05817	3.73%
003.12	9	7	1.7570	0.29153	1.8242	0.37425	0.09356	20.52%	0.28945	0.04917	0.29360	16.47%	2.80%	16.71%	5.9707	0.04748	3.65%
003.13	10	10	1.7579	0.26732	1.7342	0.23416	0.05236	13.50%	0.26406	0.05893	0.27055	15.02%	3.35%	15.39%	4.5913	0.06470	3.68%
003.14	33	29	2.4152	0.91267	2.1812	0.32750	0.04031	15.01%	0.91023	0.09422	0.91510	37.69%	3.90%	37.89%	9.7123	0.11891	3.56%
003.99	3	3	1.9633	0.06028	1.9633	0.06028	0.03480	3.07%	0.05972	0.01155	0.06083	3.04%	0.59%	3.10%	5.2678	0.01333	3.61%
004.00	23	21	4.4791	0.49820	4.5505	0.42030	0.06336	9.24%	0.48327	0.17119	0.51269	10.79%	3.82%	11.45%	2.9948	0.18301	3.18%
004.01	1		5.5850														
004.03	7	6	4.4975	1.0071	4.5663	0.99388	0.28691	21.77%	0.99875	0.18255	1.0153	22.21%	4.06%	22.57%	5.5617	0.23167	3.18%
004.06	37	36	4.4834	0.37881	4.4969	0.42880	0.04985	9.54%	0.36309	0.15272	0.39390	8.10%	3.41%	8.79%	2.5792	0.14577	3.19%
004.07	60	54	5.2577	0.93039	5.2004	0.86938	0.08003	16.72%	0.92248	0.17124	0.93824	17.55%	3.26%	17.85%	5.4792	0.19841	3.12%
004.99	4	4	4.4563	0.69801	4.4563	0.69801	0.34901	15.66%	0.69485	0.09387	0.70116	15.59%	2.11%	15.73%	7.4691	0.12250	3.19%

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005.00	96	87	24.539	0.96731	24.515	0.89246	0.06509	3.64%	0.95466	0.22046	0.97979	3.89%	0.90%	3.99%	4.4443	0.28160	2.47%
005.05	28	26	24.877	0.69780	24.873	0.61800	0.08410	2.48%	0.68708	0.17230	0.70836	2.76%	0.69%	2.85%	4.1112	0.20223	2.47%
005.99	12	10	24.730	0.71397	24.798	0.58388	0.12448	2.35%	0.70229	0.18191	0.72546	2.84%	0.74%	2.93%	3.9881	0.20997	2.47%
006.00	1		1.5250														
006.01	1		1.6300														
006.99	3	3	2.7817	2.2583	2.7817	2.2583	1.3038	81.18%	2.2538	0.20104	2.2627	81.02%	7.23%	81.34%	11.255	0.23667	3.43%
008.02	18	17	6.6257	0.56422	6.7212	0.50086	0.08348	7.45%	0.54522	0.20536	0.58261	8.23%	3.10%	8.79%	2.8370	0.23447	3.00%
008.05	1		8.2000														
008.08	40	38	6.3689	0.63142	6.4024	0.65123	0.07374	10.17%	0.60832	0.23932	0.65371	9.55%	3.76%	10.26%	2.7315	0.25264	3.02%
008.99	1		5.8500														
009.04	1		11.035														
009.07	12	11	12.551	1.2133	12.519	1.2898	0.27498	10.30%	1.2103	0.11951	1.2162	9.64%	0.95%	9.69%	10.177	0.14187	2.73%
009.09	41	39	12.392	1.0120	12.398	1.0886	0.12021	8.78%	0.97477	0.38445	1.0478	7.87%	3.10%	8.46%	2.7255	0.43972	2.74%
009.99	3	3	13.578	0.73001	13.578	0.73001	0.42147	5.38%	0.68716	0.34853	0.77049	5.06%	2.57%	5.67%	2.2107	0.35167	2.70%
010.03	3	3	5.8350	0.13748	5.8350	0.13748	0.07937	2.36%		0.53732			9.21%		0.69667	3.07%	
010.11	1		5.1750														
010.99	10	9	8.1072	1.6515	8.4269	2.1052	0.47074	24.98%	1.6474	0.16455	1.6556	20.32%	2.03%	20.42%	10.061	0.18056	2.90%
011.01	70	65	12.141	1.5007	12.213	1.4532	0.12461	11.90%	1.4909	0.24279	1.5105	12.28%	2.00%	12.44%	6.2215	0.29706	2.74%
011.02	2	0															
011.99	4	4	9.2775	2.2415	9.2775	2.2415	1.1208	24.16%	2.2388	0.15692	2.2443	24.13%	1.69%	24.19%	14.302	0.15500	2.86%
012.00	10	9	4.4328	0.47521	4.3332	0.50160	0.11216	11.58%	0.46984	0.10075	0.48052	10.60%	2.27%	10.84%	4.7696	0.15100	3.21%
012.01	7	7	4.5560	0.87480	4.3485	0.62875	0.16804	14.46%	0.86895	0.14283	0.88061	19.07%	3.13%	19.33%	6.1655	0.17661	3.21%
012.02	1		4.7500														
012.03	5	5	3.9100	0.62277	3.9100	0.62277	0.27851	15.93%	0.62014	0.08087	0.62539	15.86%	2.07%	15.99%	7.7332	0.10000	3.26%
012.04	4	4	4.0250	0.69707	4.0250	0.69707	0.34853	17.32%	0.69336	0.10149	0.70075	17.23%	2.52%	17.41%	6.9047	0.12000	3.24%
013.00	19	17	2.7827	0.49091	2.7577	0.46256	0.07709	16.77%	0.48479	0.10925	0.49695	17.42%	3.93%	17.86%	4.5489	0.11730	3.43%
013.02	27	25	2.8137	0.29345	2.8106	0.23478	0.03256	8.35%	0.27563	0.14242	0.31025	9.80%	5.06%	11.03%	2.1785	0.17055	3.42%
013.08	1		3.0900														
013.10	10	8	2.5063	0.14985	2.5506	0.14774	0.03482	5.79%	0.14385	0.05937	0.15562	5.74%	2.37%	6.21%	2.6211	0.06589	3.47%
013.13	4	4	3.4306	0.75475	3.4306	0.75475	0.37738	22.00%	0.73771	0.22553	0.77142	21.50%	6.57%	22.49%	3.4204	0.28225	3.32%
015.41	6	5	1,062.8	84.264	1,093.9	121.52	35.081	11.11%	77.228	47.669	90.755	7.27%	4.49%	8.54%	1.9039	103.70	5.58%
015.42	1		965.00														
015.43	8	8	847.07	266.27	878.27	230.51	57.628	26.25%	262.18	65.726	270.30	30.95%	7.76%	31.91%	4.1125	61.044	5.77%
015.53	1		1,215.0														
017.41	2	0															
017.42	4	4	10.456	2.8398	10.456	2.8398	1.4199	27.16%	2.8210	0.46170	2.8585	26.98%	4.42%	27.34%	6.1913	0.54750	11.24%
017.43	8	7	8.4443	4.2367	8.3948	3.1571	0.78927	37.61%	4.2352	0.15969	4.2382	50.15%	1.89%	50.19%	26.540	0.24750	11.61%
019.00	18	16	8.0982	0.14184	8.1263	0.13673	0.02345	1.68%	0.14001	0.03218	0.14366	1.73%	0.40%	1.77%	4.4638	0.03957	2.92%
019.02	1		8.0450														
019.03	1		8.2245														
019.08	9	8	7.9176	0.38043	7.9779	0.44947	0.10594	5.63%	0.37179	0.11400	0.38887	4.70%	1.44%	4.91%	3.4111	0.12367	2.93%
019.09	1		9.3845														
019.31	27	25	7.8268	0.33330	7.8400	0.33195	0.04517	4.23%	0.32475	0.10610	0.34164	4.15%	1.36%	4.37%	3.2201	0.13480	2.93%

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019.32	5	5	8.1803	0.45392	8.1803	0.45392	0.20300	5.55%	0.44959	0.08842	0.45820	5.50%	1.08%	5.60%	5.1821	0.08804	2.92%
019.33	1		8.4550														
019.41	35	31	8.1769	0.45588	8.2675	0.38933	0.04792	4.71%	0.44971	0.10571	0.46197	5.50%	1.29%	5.65%	4.3702	0.14327	2.91%
019.42	22	20	8.2529	0.88225	8.2555	0.72546	0.10937	8.79%	0.85817	0.28954	0.90570	10.40%	3.51%	10.97%	3.1281	0.35873	2.91%
019.43	24	22	7.8268	0.76703	7.8652	0.62674	0.09046	7.97%	0.75443	0.19582	0.77943	9.64%	2.50%	9.96%	3.9804	0.26554	2.93%
019.44	2	0															
019.52	2	0															
019.53	1		7.5810														
019.99	5	5	7.3629	2.1827	7.3629	2.1827	0.97613	29.64%	2.1783	0.19520	2.1871	29.59%	2.65%	29.70%	11.204	0.22820	2.96%
021.00	1		9.4950														
021.31	7	7	15.071	3.7873	14.154	2.6048	0.69616	18.40%	3.7800	0.33409	3.7947	25.08%	2.22%	25.18%	11.358	0.37143	10.74%
021.34	1		13.055														
021.41	4	4	8.5663	3.0801	8.5663	3.0801	1.5400	35.96%	2.9895	1.0488	3.1681	34.90%	12.24%	36.98%	3.0207	1.0780	11.58%
021.42	1		11.263														
021.43	8	7	11.382	1.6345	11.361	1.5102	0.40361	13.29%	1.6317	0.13443	1.6372	14.34%	1.18%	14.38%	12.179	0.10886	11.10%
021.52	1		13.000														
021.53	5	5	10.810	1.7960	10.810	1.7960	0.80320	16.61%	1.6857	0.87648	1.8999	15.59%	8.11%	17.58%	2.1677	1.0380	11.18%
022.31	21	18	242.24	12.093	242.57	10.005	1.5820	4.12%	12.018	1.9017	12.168	4.96%	0.79%	5.02%	6.3984	2.4012	7.00%
022.32	4	4	250.98	19.011	250.98	19.011	9.5055	7.57%	18.908	2.7982	19.114	7.53%	1.11%	7.62%	6.8307	3.8000	6.96%
022.33	2	0															
022.41	26	25	239.99	14.756	241.48	15.917	2.2073	6.59%	14.069	6.2918	15.412	5.86%	2.62%	6.42%	2.4495	6.8465	7.00%
022.42	19	17	257.49	12.678	256.90	11.249	1.8748	4.38%	12.025	5.6784	13.299	4.67%	2.21%	5.16%	2.3420	7.2667	6.94%
022.43	20	18	240.69	23.742	241.94	22.488	3.6480	9.29%	23.642	3.0830	23.842	9.82%	1.28%	9.91%	7.7334	4.0347	7.00%
022.44	1		260.50														
022.52	1		250.00														
022.53	3	2	266.50	24.749	266.50	24.749	17.500	9.29%	24.739	1.0000	24.759	9.28%	0.38%	9.29%	24.759	14.197	6.90%
022.99	1		252.00														
023.01	1		36.200														
025.31	22	22	942.49	101.23	945.67	97.347	14.676	10.29%	100.34	18.885	102.10	10.65%	2.00%	10.83%	5.4065	18.542	5.70%
025.32	4	4	920.94	122.65	920.94	122.65	61.323	13.32%	117.82	48.186	127.29	12.79%	5.23%	13.82%	2.6417	51.725	5.73%
025.33	2	0															
025.41	27	25	892.82	88.237	892.55	88.499	12.273	9.92%	86.648	23.571	89.797	9.71%	2.64%	10.06%	3.8096	26.510	5.75%
025.42	17	17	803.62	154.93	808.56	154.81	26.549	19.15%	153.09	33.702	156.75	19.05%	4.19%	19.51%	4.6512	39.838	5.84%
025.43	20	18	834.95	128.77	842.57	115.74	18.300	13.74%	128.19	17.232	129.34	15.35%	2.06%	15.49%	7.5060	19.231	5.80%
025.52	2	0															
025.53	1		858.72														
025.99	1		886.50														
027.31	20	19	0.38982	0.01235	0.38882	0.01144	0.00181	2.94%	0.01096	0.00805	0.01360	2.81%	2.07%	3.49%	1.6889	0.00829	4.61%
027.32	5	4	0.38148	0.02106	0.38148	0.02106	0.01053	5.52%	0.02019	0.00848	0.02190	5.29%	2.22%	5.74%	2.5828	0.20744	2.91%
027.33	2	0															
027.34	1		0.38000														
027.41	29	27	0.39069	0.01529	0.39064	0.01350	0.00177	3.46%	0.01346	0.01024	0.01692	3.45%	2.62%	4.33%	1.6516	0.01407	4.61%
027.42	18	16	0.38469	0.02787	0.38458	0.03032	0.00520	7.88%	0.02745	0.00684	0.02829	7.13%	1.78%	7.35%	4.1342	0.00871	4.62%

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027.43	19	17	0.37819	0.02687	0.37558	0.03211	0.00535	8.55%	0.02660	0.00543	0.02715	7.03%	1.44%	7.18%	4.9977	0.00642	4.63%
027.44	1		0.34750														
027.52	1		0.47970														
027.53	1		0.36680														
027.99	2	0															
028.31	21	20	1,082.9	76.562	1,074.2	84.021	12.965	7.82%	76.009	12.991	77.111	7.02%	1.20%	7.12%	5.9358	13.940	5.60%
028.32	4	4	1,069.0	19.710	1,069.0	19.710	9.8552	1.84%	18.341	10.210	20.991	1.72%	0.96%	1.96%	2.0559	12.500	5.60%
028.33	2	0															
028.41	26	25	1,023.3	175.16	1,059.0	97.897	13.576	9.24%	173.83	30.501	176.48	16.99%	2.98%	17.25%	5.7861	31.901	5.61%
028.42	19	16	1,148.7	150.70	1,110.8	90.615	15.102	8.16%	149.44	27.402	151.94	13.01%	2.39%	13.23%	5.5447	41.181	5.57%
028.43	20	19	1,076.0	80.272	1,077.0	89.007	14.439	8.26%	78.462	23.971	82.042	7.29%	2.23%	7.62%	3.4226	26.448	5.59%
028.44	2	0															
028.52	1		1,250.0														
028.53	2	0															
028.99	1		1,190.5														
031.00	1		1,1200														
031.01	50	46	1.1229	0.06120	1.1289	0.05133	0.00524	4.55%	0.06028	0.01498	0.06211	5.37%	1.33%	5.53%	4.1450	0.01783	3.93%
031.02	4	4	1.1315	0.01280	1.1315	0.01280	0.00640	1.13%	0.01066	0.01001	0.01462	0.94%	0.88%	1.29%	1.4609	0.01355	3.93%
031.03	5	4	1.1333	0.02904	1.1333	0.02904	0.01452	2.56%	0.02844	0.00832	0.02963	2.51%	0.73%	2.61%	3.5601	0.02186	3.92%
031.06	2	0															
031.41	34	31	1.1356	0.06299	1.1344	0.05770	0.00710	5.09%	0.06050	0.02480	0.06538	5.33%	2.18%	5.76%	2.6366	0.02903	3.92%
031.42	21	18	1.1058	0.07551	1.1124	0.07668	0.01212	6.89%	0.07268	0.02900	0.07825	6.57%	2.62%	7.08%	2.6984	0.03563	3.94%
031.43	25	23	1.0946	0.09860	1.1059	0.06702	0.00948	6.06%	0.09743	0.02142	0.09976	8.90%	1.96%	9.11%	4.6566	0.02699	3.94%
031.44	2	0															
031.53	2	0															
031.99	6	6	1.0581	0.07831	1.0718	0.06091	0.01758	5.68%	0.07212	0.04316	0.08405	6.82%	4.08%	7.94%	1.9476	0.05050	3.96%
032.02	3	2	0.60500	0.00707	0.60500	0.00707	0.00500	1.17%	0.00707	0.00000	0.00707	1.17%	0.00%	1.17%		0.01333	4.33%
032.08	1		0.63450														
032.31	24	21	0.58623	0.05791	0.59085	0.04303	0.00634	7.28%	0.05734	0.01141	0.05847	9.78%	1.95%	9.97%	5.1240	0.01305	4.33%
032.32	5	4	0.61991	0.06078	0.61991	0.06078	0.03039	9.80%	0.05698	0.02992	0.06436	9.19%	4.83%	10.38%	2.1511	0.22122	2.71%
032.41	31	28	0.62389	0.04034	0.62695	0.03989	0.00515	6.36%	0.03896	0.01481	0.04168	6.24%	2.37%	6.68%	2.8145	0.01659	4.29%
032.42	20	18	0.63253	0.02758	0.63320	0.02122	0.00344	3.35%	0.02551	0.01484	0.02951	4.03%	2.35%	4.66%	1.9888	0.01808	4.28%
032.43	24	22	0.62330	0.03627	0.61984	0.02758	0.00398	4.45%	0.03484	0.01425	0.03765	5.59%	2.29%	6.04%	2.6419	0.01676	4.30%
032.44	3	2	0.64753	0.00004	0.64753	0.00004	0.00003	0.01%		0.02844			4.39%			0.02623	4.33%
032.52	1		0.71815														
032.53	2	0															
032.99	3	3	0.55717	0.10645	0.55717	0.10645	0.06146	19.11%	0.10641	0.00426	0.10649	19.10%	0.76%	19.11%	24.985	0.00433	4.37%
033.00	27	22	0.31816	0.06025	0.32133	0.04792	0.00678	14.91%	0.05975	0.01098	0.06075	18.78%	3.45%	19.09%	5.5345	0.01768	4.74%
033.01	33	29	0.37815	0.02011	0.37801	0.01917	0.00243	5.07%	0.01956	0.00659	0.02064	5.17%	1.74%	5.46%	3.1333	0.00723	4.63%
033.03	4	4	0.38938	0.04674	0.38938	0.04674	0.02337	12.00%	0.04523	0.01668	0.04821	11.62%	4.28%	12.38%	2.8906	0.01625	4.61%
033.05	3	3	0.34500	0.05766	0.34500	0.05766	0.03329	16.71%	0.05252	0.03367	0.06239	15.22%	9.76%	18.08%	1.8526	0.03400	4.69%
033.99	10	9	0.39917	0.10404	0.41295	0.08592	0.01921	20.81%	0.10354	0.01445	0.10454	25.94%	3.62%	26.19%	7.2321	0.01950	4.57%
034.01	2	0															

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034.04	6	5	13.487	1.5148	13.487	1.5148	0.47903	11.23%	1.4961	0.33545	1.5333	11.09%	2.49%	11.37%	4.5708	0.37800	10.81%
034.41	1		6.1600														
034.42	1		14.660														
034.43	4	4	9.7526	6.6031	9.7526	6.6031	3.3016	67.71%	6.6016	0.20199	6.6047	67.69%	2.07%	67.72%	32.699	0.23763	11.35%
034.52	1		14.500														
034.53	8	8	11.728	3.8363	12.109	3.4171	0.85427	28.22%	3.7707	0.99907	3.9008	32.15%	8.52%	33.26%	3.9044	0.94625	10.99%
034.99	1		12.500														
035.01	4	4	0.20638	0.03200	0.20638	0.03200	0.01600	15.51%	0.03156	0.00752	0.03244	15.29%	3.65%	15.72%	4.3114	0.00725	5.07%
035.05	6	4	0.19288	0.01371	0.16930	0.05404	0.01709	31.92%	0.01250	0.00798	0.01483	6.48%	4.14%	7.69%	1.8590	0.01260	5.23%
035.31	22	21	0.19561	0.02125	0.19176	0.01170	0.00176	6.10%	0.02071	0.00677	0.02179	10.59%	3.46%	11.14%	3.2171	0.00676	5.13%
035.32	4	2	0.19803	0.11261	0.19803	0.11261	0.07963	56.86%	0.11259	0.00235	0.11262	56.86%	1.19%	56.87%	47.923	0.00618	3.10%
035.41	33	30	0.19212	0.01622	0.19348	0.01405	0.00176	7.26%	0.01497	0.00883	0.01738	7.79%	4.60%	9.05%	1.9675	0.00893	5.12%
035.42	19	17	0.19511	0.01923	0.19475	0.01630	0.00272	8.37%	0.01862	0.00679	0.01982	9.54%	3.48%	10.16%	2.9173	0.01033	5.12%
035.43	17	15	0.18437	0.01471	0.18683	0.00911	0.00156	4.87%	0.01289	0.01002	0.01633	6.99%	5.44%	8.85%	1.6290	0.01230	5.15%
035.52	1		0.22895														
035.53	2	0															
035.99	3	2	0.13250	0.08132	0.13250	0.08132	0.05750	61.37%	0.08124	0.00500	0.08139	61.31%	3.77%	61.43%	16.279	0.05333	4.26%
036.04	5	4	0.67500	0.04243	0.67500	0.04243	0.02121	6.29%	0.04153	0.01225	0.04330	6.15%	1.81%	6.42%	3.5355	0.01880	4.30%
036.42	20	18	0.77164	0.06666	0.76354	0.07078	0.01148	9.27%	0.06558	0.01695	0.06773	8.50%	2.20%	8.78%	3.9970	0.02257	4.17%
036.43	11	10	0.71530	0.03620	0.71530	0.04106	0.00918	5.74%	0.03547	0.01025	0.03692	4.96%	1.43%	5.16%	3.6016	0.01220	4.21%
036.99	1		0.54500														
037.31	21	21	941.48	66.865	941.39	74.106	11.435	7.87%	65.250	20.656	68.441	6.93%	2.19%	7.27%	3.3134	20.605	5.71%
037.32	4	4	1,009.0	47.195	1,009.0	47.195	23.598	4.68%	34.384	45.720	57.206	3.41%	4.53%	5.67%	1.2512	50.700	5.65%
037.33	1		948.94														
037.41	26	25	937.12	72.986	940.23	58.467	8.1080	6.22%	71.340	21.795	74.595	7.61%	2.33%	7.96%	3.4226	23.337	5.71%
037.42	19	17	933.19	95.857	939.34	95.212	15.869	10.14%	94.471	22.968	97.223	10.12%	2.46%	10.42%	4.2329	31.552	5.71%
037.43	19	17	913.77	63.774	911.83	77.537	12.578	8.50%	58.485	35.964	68.658	6.40%	3.94%	7.51%	1.9091	43.848	5.74%
037.44	1		937.00														
037.52	1		865.00														
037.53	2	0															
037.99	2	0															
038.34	1		1.3100														
038.41	3	3	1.1033	0.33347	1.1033	0.33347	0.19253	30.22%	0.30566	0.18855	0.35913	27.70%	17.09%	32.55%	1.9047	0.22967	15.76%
038.42	4	4	1.1498	0.36827	1.1498	0.36827	0.18413	32.03%		0.52941			46.05%			0.55300	15.66%
038.43	8	5	1.2810	0.14621	1.2207	0.20727	0.05540	16.98%	0.14335	0.04070	0.14902	11.19%	3.18%	11.63%	3.6616	0.05970	15.52%
038.52	1		1.5500														
038.53	5	5	1.3054	0.40341	1.3054	0.40341	0.18041	30.90%	0.39791	0.09387	0.40883	30.48%	7.19%	31.32%	4.3553	0.09880	15.37%
040.42	1		7.8850														
040.43	1		8.6250														
040.52	1		9.4000														
041.31	1		4.5900														
041.41	1		3.6400														
041.43	1		6.1000														

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041.52	1		6.5000														
041.53	1		6.2750														
042.00	2	0															
042.99	2	0															
057.01	1		0.00000														
065.00	5	5	820.09	39.016	820.09	39.016	17.448	4.76%	32.413	30.714	44.653	3.95%	3.75%	5.44%	1.4539	27.380	5.83%
065.03	13	11	796.51	61.945	783.72	73.073	14.916	9.32%	60.174	20.799	63.667	7.55%	2.61%	7.99%	3.0610	20.603	5.87%
065.04	6	5	789.42	50.131	789.42	50.131	15.853	6.35%	50.042	4.2240	50.220	6.34%	0.54%	6.36%	11.889	5.1600	5.86%
065.99	4	4	713.05	136.21	713.05	136.21	68.107	19.10%	135.41	20.972	137.02	18.99%	2.94%	19.22%	6.5333	24.650	5.95%
079.01	1		0.00000														
088.00	3	3	279.32	123.79	279.32	123.79	71.469	44.32%	123.13	18.074	124.45	44.08%	6.47%	44.55%	6.8853	23.537	6.85%
088.02	1		246.70														
088.03	5	4	120.67	184.75	120.67	184.75	92.377	153.11%	184.74	2.8085	184.76	153.10%	2.33%	153.11%	65.788	7.0980	7.58%
101.02	1		844.00														
102.01	1		19.250														
103.01	1		7.2500														
104.03	1		2.8000														
105.00	1		4.3500														
106.00	3	3	80.628	19.078	80.628	19.078	11.015	23.66%	19.021	2.0989	19.136	23.59%	2.60%	23.73%	9.1171	2.5129	20.75%
106.01	1		71.600														
106.02	30	27	73.298	18.570	76.334	20.468	2.6876	26.81%	18.047	6.1857	19.078	24.62%	8.44%	26.03%	3.0842	6.5604	20.92%
107.00	1		14.050														
108.01	1		14.780														
108.02	6	4	15.153	6.0092	28.008	29.213	9.2380	104.30%	5.8932	1.6615	6.1230	38.89%	10.96%	40.41%	3.6853	1.8640	24.32%
108.99	2	0															
109.02	18	17	201.00	27.966	196.96	30.464	5.0774	15.47%	27.286	8.6679	28.630	13.58%	4.31%	14.24%	3.3029	9.0073	7.22%
113.01	1		0.67150														
114.01	1		0.37400														
115.00	7	6	35.479	3.2883	35.459	2.7878	0.74507	7.86%	3.2844	0.22706	3.2922	9.26%	0.64%	9.28%	14.499	0.27286	2.34%
115.99	1		10.940														
120.00	16	15	0.76740	0.02266	0.76670	0.02162	0.00382	2.82%	0.02123	0.01121	0.02401	2.77%	1.46%	3.13%	2.1407	0.01384	4.16%
120.01	1		0.57000														
120.02	2	0															
120.05	4	4	0.71063	0.03968	0.71063	0.03968	0.01984	5.58%	0.03455	0.02760	0.04422	4.86%	3.88%	6.22%	1.6022	0.02875	4.21%
120.99	1		0.75000														
121.00	16	15	1.4627	0.04462	1.4648	0.04610	0.00815	3.15%	0.04276	0.01806	0.04642	2.92%	1.23%	3.17%	2.5695	0.02294	3.78%
121.01	1		1.3080														
121.02	2	0															
121.05	4	3	1.5127	0.16693	1.5127	0.16693	0.09638	11.04%	0.16688	0.00539	0.16697	11.03%	0.36%	11.04%	31.006	0.05875	3.76%
121.99	1		1.7000														
122.00	16	16	1.3779	0.04964	1.3867	0.03216	0.00569	2.32%	0.04760	0.01988	0.05159	3.45%	1.44%	3.74%	2.5956	0.02166	3.81%
122.01	1		1.2545														
122.02	2	0															

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122.05	4	4	1.2721	0.08284	1.2721	0.08284	0.04142	6.51%	0.07838	0.03792	0.08707	6.16%	2.98%	6.84%	2.2964	0.04175	3.86%
122.99	1		0.73000														
124.00	16	13	0.25740	0.01719	0.25548	0.01837	0.00335	7.19%	0.01696	0.00392	0.01741	6.59%	1.52%	6.76%	4.4379	0.00559	4.91%
124.01	1		0.19900														
124.02	2	0															
124.05	2	0															
124.99	2	0															
125.00	16	14	2.8355	0.05616	2.8447	0.06028	0.01101	2.12%	0.05063	0.03439	0.06120	1.79%	1.21%	2.16%	1.7796	0.03935	3.42%
125.01	1		2.7680														
125.02	2	0															
125.05	4	4	2.6065	0.14894	2.6065	0.14894	0.07447	5.71%	0.14546	0.04525	0.15233	5.58%	1.74%	5.84%	3.3667	0.06100	3.46%
125.99	1		2.2600														
126.00	16	16	0.70350	0.02188	0.70535	0.01883	0.00333	2.67%	0.02032	0.01146	0.02333	2.89%	1.63%	3.32%	2.0356	0.01381	4.22%
126.01	1		0.56250														
126.02	2	0															
126.05	4	4	0.69563	0.05585	0.69563	0.05585	0.02793	8.03%	0.04616	0.04448	0.06410	6.64%	6.39%	9.22%	1.4410	0.04825	4.22%
126.99	1		0.81500														
127.00	15	14	0.43449	0.02562	0.43394	0.02281	0.00431	5.26%	0.02542	0.00450	0.02581	5.85%	1.04%	5.94%	5.7302	0.00452	4.54%
127.01	1		0.58100														
127.02	2	0															
127.05	4	3	0.40900	0.06295	0.40900	0.06295	0.03635	15.39%	0.06278	0.00653	0.06312	15.35%	1.60%	15.43%	9.6635	0.01825	4.56%
127.99	1		0.43500														
128.00	16	14	0.51753	0.02315	0.52372	0.01725	0.00305	3.29%	0.02247	0.00791	0.02382	4.34%	1.53%	4.60%	3.0108	0.01351	4.41%
128.01	1		0.35700														
128.02	2	0															
128.05	4	3	0.47183	0.09799	0.47183	0.09799	0.05657	20.77%	0.09796	0.00349	0.09802	20.76%	0.74%	20.77%	28.101	0.01975	4.45%
128.99	1		0.50500														
129.00	16	16	1.0315	0.04001	1.0378	0.03396	0.00600	3.27%	0.03879	0.01385	0.04119	3.76%	1.34%	3.99%	2.9744	0.01676	3.98%
129.01	1		0.93450														
129.02	2	0															
129.05	4	3	0.97883	0.10083	0.97883	0.10083	0.05821	10.30%	0.10063	0.00903	0.10103	10.28%	0.92%	10.32%	11.191	0.04125	4.00%
129.99	1		1.0850														
130.00	15	14	0.70688	0.02585	0.70615	0.02557	0.00483	3.62%	0.02513	0.00855	0.02655	3.56%	1.21%	3.76%	3.1036	0.01012	4.21%
130.01	1		0.66350														
130.02	2	0															
130.05	5	4	0.70913	0.05570	0.70913	0.05570	0.02785	7.85%	0.05556	0.00558	0.05584	7.83%	0.79%	7.87%	10.008	0.02440	4.22%
130.99	1		0.60000														
131.00	16	14	0.24190	0.01633	0.24273	0.01779	0.00325	7.33%	0.01610	0.00386	0.01656	6.66%	1.60%	6.85%	4.2848	0.00519	4.95%
131.01	1		0.21600														
131.02	2	0															
131.05	3	3	0.24717	0.03614	0.24717	0.03614	0.02087	14.62%	0.03525	0.01126	0.03701	14.26%	4.56%	14.97%	3.2860	0.01367	4.94%
131.99	2	0															
132.00	16	14	0.75952	0.02675	0.76612	0.02459	0.00449	3.21%	0.02562	0.01089	0.02784	3.37%	1.43%	3.67%	2.5576	0.01418	4.16%

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132.01	1		0.84000														
132.02	2	0															
132.05	4	4	0.75175	0.06899	0.75175	0.06899	0.03450	9.18%	0.06354	0.03802	0.07404	8.45%	5.06%	9.85%	1.9474	0.04300	4.18%
132.99	1		0.77500														
133.00	16	14	0.74405	0.02921	0.74005	0.03585	0.00654	4.84%	0.02784	0.01252	0.03052	3.74%	1.68%	4.10%	2.4382	0.01715	4.19%
133.05	4	4	0.76288	0.07540	0.76288	0.07540	0.03770	9.88%	0.07288	0.02735	0.07784	9.55%	3.58%	10.20%	2.8465	0.03125	4.17%
133.99	2	0															
134.00	16	14	0.70340	0.02028	0.70730	0.02421	0.00428	3.42%	0.01774	0.01390	0.02254	2.52%	1.98%	3.20%	1.6209	0.01959	4.21%
134.01	1		0.66150														
134.02	2	0															
134.05	4	3	0.70333	0.05097	0.70333	0.05097	0.02943	7.25%	0.05070	0.00746	0.05124	7.21%	1.06%	7.29%	6.8682	0.03625	4.21%
134.99	1		0.76500														
135.00	16	14	0.56899	0.02251	0.57112	0.02545	0.00465	4.46%	0.02188	0.00751	0.02313	3.84%	1.32%	4.07%	3.0780	0.01342	4.35%
135.01	1		0.51600														
135.02	2	0															
135.05	4	4	0.54625	0.06253	0.54625	0.06253	0.03126	11.45%	0.06244	0.00456	0.06261	11.43%	0.83%	11.46%	13.745	0.00600	4.38%
135.99	1		0.56500														
136.00	5	4	0.19903	0.00485	0.19903	0.00485	0.00243	2.44%	0.00049	0.00683	0.00685	0.25%	3.43%	3.44%	1.0026	0.00760	5.13%
136.01	5	5	0.18450	0.01140	0.18450	0.01140	0.00510	6.18%	0.01116	0.00327	0.01163	6.05%	1.77%	6.30%	3.5550	0.00420	5.16%
136.02	2	0															
136.03	3	2	0.18050	0.00354	0.18050	0.00354	0.00250	1.96%	0.00346	0.00100	0.00361	1.92%	0.55%	2.00%	3.6056	0.00667	5.18%
136.99	1		0.15500														
137.00	12	11	0.47025	0.04072	0.47825	0.02810	0.00599	5.87%	0.03956	0.01362	0.04184	8.41%	2.90%	8.90%	3.0712	0.01398	4.47%
137.01	1		0.24900														
137.02	2	0															
137.05	4	4	0.42188	0.09141	0.42188	0.09141	0.04571	21.67%	0.08881	0.03060	0.09394	21.05%	7.25%	22.27%	3.0699	0.03225	4.55%
137.99	1		0.48500														
138.00	16	14	0.71014	0.03815	0.71430	0.03494	0.00638	4.89%	0.03746	0.01022	0.03883	5.27%	1.44%	5.47%	3.7990	0.01489	4.21%
138.01	1		2.0470														
138.02	2	0															
138.05	4	3	0.68017	0.12476	0.68017	0.12476	0.07203	18.34%	0.12475	0.00248	0.12477	18.34%	0.37%	18.34%	50.246	0.02550	4.21%
138.99	1		0.77000														
139.00	2	0															
139.02	2	0															
139.05	1		0.00000														
160.99	5	5	0.02545	0.02555	0.02545	0.02555	0.01143	100.40%	0.02541	0.00379	0.02569	99.85%	14.90%	100.96%	6.7752	0.00378	6.95%
161.99	2	0															
162.99	6	5	0.02149	0.02584	0.02149	0.02584	0.00817	120.24%	0.02565	0.00447	0.02603	119.34%	20.82%	121.14%	5.8176	0.00410	7.13%
163.99	5	0														0.00000	9.18%
164.99	4	0														0.00000	#DIV/0!
165.99	8	6	0.40492	0.05174	0.42516	0.08099	0.02165	19.05%	0.05079	0.01394	0.05267	12.54%	3.44%	13.01%	3.7776	0.01586	4.55%
166.99	1		1.4320														
167.99	1		0.26100														

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
361.04	1		2,625.0														
365.05	1		8,385.0														
400.01	4	4	0.50541	0.00936	0.50541	0.00936	0.00468	1.85%	0.00927	0.00181	0.00945	1.83%	0.36%	1.87%	5.2189	0.00203	#DIV/0!
516.00	3	2	0.30963	0.23989	0.30963	0.23989	0.16963	77.48%	0.23989	0.00035	0.23989	77.48%	0.11%	77.48%	685.39	0.02357	18.47%
516.42	1		0.00750														
516.43	3	3	0.49685	0.47546	0.49685	0.47546	0.27451	95.69%	0.47059	0.09595	0.48027	94.72%	19.31%	96.66%	5.0054	0.08897	17.77%
516.52	1		0.69000														
516.53	8	8	0.57226	0.22230	0.57776	0.18991	0.04748	32.87%	0.22039	0.04114	0.22420	38.51%	7.19%	39.18%	5.4500	0.04675	17.37%
518.31	1		0.25000														
518.34	3	3	0.32217	0.33107	0.32217	0.33107	0.19114	102.76%	0.33063	0.02389	0.33150	102.63%	7.42%	102.90%	13.875	0.02833	18.97%
518.41	4	4	0.15719	0.05114	0.15719	0.05114	0.02557	32.53%	0.05006	0.01477	0.05219	31.85%	9.40%	33.21%	3.5338	0.01738	21.13%
518.43	3	2	0.10000	0.14142	0.10000	0.14142	0.10000	141.42%	0.14142	0.00000	0.14142	141.42%	0.00%	141.42%		0.00030	21.45%
518.52	1		0.21000														
518.53	8	5	0.22378	0.01751	0.21727	0.01883	0.00503	8.66%	0.01744	0.00224	0.01759	7.79%	1.00%	7.86%	7.8647	0.00457	20.13%
520.34	1		5.0750														
520.41	3	3	6.6698	1.3671	6.6698	1.3671	0.78932	20.50%	0.70649	1.6553	1.7997	10.59%	24.82%	26.98%	1.0873	2.0117	12.02%
520.43	5	4	8.7203	0.87721	8.7203	0.87721	0.43861	10.06%	0.76278	0.61266	0.97835	8.75%	7.03%	11.22%	1.5969	0.51058	11.94%
520.52	1		4.9500														
520.53	3	3	8.3247	2.0044	8.3247	2.0044	1.1572	24.08%	1.8267	1.1668	2.1675	21.94%	14.02%	26.04%	1.8577	1.3400	11.63%
520.99	1		9.2540														
526.31	2	0															
526.34	2	0															
526.41	1		0.17500														
526.43	3	2	0.30000	0.42426	0.30000	0.42426	0.30000	141.42%	0.42426	0.00000	0.42426	141.42%	0.00%	141.42%		0.09813	13.62%
526.52	1		0.67500														
526.53	8	8	0.66691	0.11716	0.66173	0.10181	0.02545	15.39%	0.10996	0.05717	0.12394	16.49%	8.57%	18.58%	2.1678	0.06000	17.02%
529.00	2	0															
529.99	7	4	10.911	14.171	15.204	17.563	5.0700	115.51%	14.171	0.16677	14.172	129.87%	1.53%	129.88%	84.978	1.0733	10.62%
539.31	1		10.000														
539.41	2	0															
539.43	3	3	5.5998	4.3570	5.5998	4.3570	2.5155	77.81%	4.3533	0.25350	4.3607	77.74%	4.53%	77.87%	17.202	0.25807	12.34%
539.52	1		10.450														
539.53	4	3	7.6885	0.73553	7.6885	0.73553	0.42466	9.57%	0.73544	0.01633	0.73562	9.57%	0.21%	9.57%	45.047	0.43250	11.75%
600.01	3	3	2.5633	1.7476													0.76667
600.20	1		0.00000														
610.01	1		400.00														
640.01	1		93.000														