

AAFCO Check Sample Program
All Methods Report



Proficiency For Individual Methods
Sample # 201523
Milk Replacer, Medicated
Regular Program

Labs Reporting: 211
Issue Date : 04/30/2015

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		0.40000														
001.00	7	5	3.5440	0.47398	3.8982	0.83109	0.22212	21.32%	0.47000	0.08663	0.47792	13.26%	2.44%	13.49%	5.5165	0.17343	3.26%
001.03	13	12	3.7339	0.58247	3.8786	0.37811	0.07415	9.75%	0.58234	0.01736	0.58260	15.60%	0.47%	15.60%	33.551	0.01977	3.26%
001.05	1		3.7200														
001.06	1		3.9200														
001.07	39	34	3.8970	0.23407	3.8902	0.21146	0.02426	5.44%	0.22070	0.11028	0.24672	5.66%	2.83%	6.33%	2.2373	0.11995	3.26%
001.08	3	3	4.5117	0.49296	4.5117	0.49296	0.28461	10.93%	0.45589	0.26524	0.52743	10.10%	5.88%	11.69%	1.9885	0.28333	3.19%
001.99	18	15	4.0451	0.93196	4.0516	0.94435	0.16196	23.31%	0.93051	0.07345	0.93341	23.00%	1.82%	23.07%	12.708	0.09300	3.24%
002.00	4	3	24.790	0.32821	24.790	0.32821	0.18949	1.32%	0.31845	0.11240	0.33770	1.28%	0.45%	1.36%	3.0045	0.18750	2.01%
002.01	12	12	24.370	0.39001	24.357	0.41383	0.08447	1.70%	0.38292	0.10466	0.39697	1.57%	0.43%	1.63%	3.7928	0.11158	2.03%
002.02	4	4	24.457	0.32371	24.457	0.32371	0.16185	1.32%	0.31933	0.07504	0.32803	1.31%	0.31%	1.34%	4.3717	0.09628	2.02%
002.04	6	6	24.203	0.83366	24.176	0.88922	0.25670	3.68%	0.81481	0.24930	0.85210	3.37%	1.03%	3.52%	3.4180	0.28667	2.03%
002.05	36	34	24.598	0.34989	24.593	0.36699	0.04386	1.49%	0.34503	0.08216	0.35468	1.40%	0.33%	1.44%	4.3170	0.09562	2.02%
002.06	137	127	25.011	0.44705	24.989	0.40008	0.02444	1.60%	0.42391	0.20074	0.46904	1.69%	0.80%	1.88%	2.3365	0.24486	2.00%
002.08	2	0															
002.10	1		24.815														
002.11	3	3	24.778	2.0554	24.778	2.0554	1.1867	8.30%	2.0550	0.05672	2.0558	8.29%	0.23%	8.30%	36.247	0.06333	2.01%
002.99	3	3	25.738	0.60841	25.738	0.60841	0.35126	2.36%	0.59648	0.16956	0.62011	2.32%	0.66%	2.41%	3.6572	0.18333	1.97%
003.00	11	9	13.546	4.7369	13.762	5.0531	1.1299	36.72%	4.7357	0.15233	4.7382	34.96%	1.12%	34.98%	31.104	0.24100	2.70%
003.01	1		16.155														
003.06	15	13	8.9858	1.6823	9.1652	1.1486	0.21706	12.53%	1.6798	0.12993	1.6848	18.69%	1.45%	18.75%	12.967	0.14143	2.87%
003.09	7	6	4.7608	2.3465	5.7050	0.60892	0.16274	10.67%	2.3449	0.12533	2.3482	49.25%	2.63%	49.32%	18.736	0.15714	3.08%
003.10	19	17	7.3281	5.2747	5.3492	1.7773	0.28832	33.23%	5.2731	0.18589	5.2764	71.96%	2.54%	72.00%	28.385	0.21932	3.11%
003.11	3	3	18.465	3.7479	18.465	3.7479	2.1638	20.30%	3.7465	0.14254	3.7492	20.29%	0.77%	20.30%	26.304	0.16333	2.33%
003.12	5	5	11.863	7.8794	11.863	7.8794	3.5238	66.42%	7.8789	0.13245	7.8800	66.41%	1.12%	66.42%	59.492	0.16382	2.76%
003.13	5	5	5.1361	1.7426	5.1361	1.7426	0.77933	33.93%	1.7321	0.27051	1.7531	33.72%	5.27%	34.13%	6.4807	0.30580	3.13%
003.14	26	24	9.3575	3.5056	8.8096	2.8291	0.40010	32.11%	3.5018	0.23255	3.5095	37.42%	2.49%	37.50%	15.091	0.25496	2.88%
003.99	6	4	18.494	0.05558	16.415	4.6485	1.4700	28.32%		0.15120			0.82%		0.19000		2.47%
004.00	16	15	0.26986	0.31440	0.23976	0.20312	0.03591	84.72%	0.31121	0.06320	0.31756	115.32%	23.42%	117.68%	5.0251	0.05987	4.96%
004.01	1		0.30000														
004.03	5	5	0.56900	0.50133	0.56900	0.50133	0.22420	88.11%	0.49766	0.08562	0.50497	87.46%	15.05%	88.75%	5.8981	0.10200	4.35%
004.06	21	19	0.18095	0.15195	0.16699	0.11452	0.01811	68.58%	0.14952	0.03825	0.15433	82.63%	21.14%	85.29%	4.0346	0.04560	5.24%

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004.07	41	37	0.35109	0.33131	0.30275	0.25024	0.02798	82.65%	0.32926	0.05203	0.33335	93.78%	14.82%	94.95%	6.4066	0.06049	4.79%
004.99	2	0															
005.00	91	87	8.4837	0.10622	8.4857	0.10510	0.00788	1.24%	0.09624	0.06357	0.11534	1.13%	0.75%	1.36%	1.8145	0.07741	2.90%
005.05	34	30	8.5298	0.08101	8.5151	0.07124	0.00877	0.84%	0.07481	0.04396	0.08677	0.88%	0.52%	1.02%	1.9737	0.05419	2.90%
005.11	1		8.1000														
005.99	9	9	8.5261	0.15596	8.5272	0.16708	0.03938	1.96%	0.15275	0.04453	0.15911	1.79%	0.52%	1.87%	3.5727	0.04778	2.90%
006.00	2	0															
006.01	2	0															
006.05	1		28.300														
006.99	2	0															
008.02	6	6	0.24500	0.24908	0.19259	0.16299	0.04705	84.63%	0.24681	0.04743	0.25133	100.74%	19.36%	102.58%	5.2984	0.05000	5.13%
008.05	1		0.55000														
008.08	12	11	0.83382	0.54985	0.76392	0.51545	0.10522	67.47%	0.54756	0.07094	0.55213	65.67%	8.51%	66.22%	7.7835	0.09434	4.17%
009.07	2	0															
009.09	14	13	0.77528	0.56773	0.71237	0.51468	0.10094	72.25%	0.56020	0.13037	0.57517	72.26%	16.82%	74.19%	4.4117	0.13678	4.21%
009.99	1		0.85500														
010.03	3	3	3.3433	0.35151	3.3433	0.35151	0.20294	10.51%	0.34560	0.09074	0.35732	10.34%	2.71%	10.69%	3.9379	0.12000	3.34%
010.11	2	0															
010.99	9	7	3.9159	0.66136	4.0782	0.86773	0.21693	21.28%	0.66030	0.05301	0.66242	16.86%	1.35%	16.92%	12.496	0.06513	3.24%
011.01	58	54	8.8897	1.8957	9.0962	1.6093	0.15072	17.69%	1.8899	0.21042	1.9015	21.26%	2.37%	21.39%	9.0370	0.26182	2.87%
011.02	2	0															
011.03	2	0															
011.99	3	3	7.6283	3.6404	7.6283	3.6404	2.1018	47.72%	3.6323	0.34305	3.6485	47.62%	4.50%	47.83%	10.635	0.43000	2.95%
012.00	7	7	4.9750	5.2415	3.3267	3.3251	0.88867	99.95%	5.2410	0.09809	5.2419	105.35%	1.97%	105.37%	53.441	0.09571	3.34%
012.01	7	6	2.2571	0.70979	2.2642	0.78946	0.22790	34.87%	0.70780	0.07511	0.71178	31.36%	3.33%	31.54%	9.4760	0.07843	3.54%
012.02	1		3.8600														
012.03	2	0															
012.04	3	3	2.0600	0.86261	2.0600	0.86261	0.49803	41.87%	0.86101	0.07439	0.86421	41.80%	3.61%	41.95%	11.618	0.10000	3.59%
012.11	1		8.5600														
013.00	18	17	18.806	1.2491	18.566	1.0249	0.17082	5.52%	1.2366	0.24907	1.2615	6.58%	1.32%	6.71%	5.0648	0.27556	2.32%
013.02	30	26	18.774	0.41971	18.788	0.51266	0.06732	2.73%	0.36808	0.28521	0.46565	1.96%	1.52%	2.48%	1.6327	0.31867	2.31%
013.03	11	11	18.270	0.79158	18.270	0.89765	0.19138	4.91%	0.75471	0.33767	0.82681	4.13%	1.85%	4.53%	2.4486	0.37182	2.34%
013.08	3	2	18.673	0.10253	18.673	0.10253	0.07250	0.55%	0.10198	0.01500	0.10308	0.55%	0.08%	0.55%	6.8718	0.21000	2.31%
013.10	15	14	17.065	1.9438	17.405	0.95387	0.17415	5.48%	1.9335	0.28211	1.9540	11.33%	1.65%	11.45%	6.9264	0.27333	2.40%
013.13	6	5	17.583	0.69186	17.900	1.1258	0.32498	6.29%	0.65214	0.32674	0.72941	3.71%	1.86%	4.15%	2.2324	0.36167	2.36%
015.41	6	5	169.12	30.580	169.01	29.432	8.4963	17.41%	30.530	2.4758	30.630	18.05%	1.46%	18.11%	12.372	5.0318	7.39%
015.42	1		163.60														
015.43	6	6	167.14	11.092	169.21	8.1079	2.3405	4.79%	11.066	1.0733	11.118	6.62%	0.64%	6.65%	10.359	1.2572	7.39%
015.53	1		182.50														
017.41	2	0															
017.42	2	0															
017.43	7	6	2.7818	1.5237	2.9927	0.32266	0.09315	10.78%	1.5214	0.11883	1.5261	54.69%	4.27%	54.86%	12.842	0.12300	13.56%
019.00	20	18	0.97109	0.05818	0.97691	0.05048	0.00819	5.17%	0.05780	0.00938	0.05856	5.95%	0.97%	6.03%	6.2402	0.01223	4.01%

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019.03	1		1.0834														
019.08	8	7	0.96821	0.02943	0.96843	0.02500	0.00625	2.58%	0.02212	0.02746	0.03525	2.28%	2.84%	3.64%	1.2841	0.03438	4.02%
019.31	28	23	0.97358	0.04449	0.97539	0.04734	0.00670	4.85%	0.04294	0.01647	0.04599	4.41%	1.69%	4.72%	2.7922	0.02109	4.01%
019.32	6	6	1.0253	0.07188	1.0193	0.06861	0.01981	6.73%	0.06887	0.02910	0.07477	6.72%	2.84%	7.29%	2.5690	0.02787	3.99%
019.41	37	34	0.99403	0.03998	0.99154	0.03534	0.00416	3.56%	0.03732	0.02029	0.04248	3.75%	2.04%	4.27%	2.0931	0.02091	4.00%
019.42	22	20	1.0069	0.08840	0.99665	0.05785	0.00893	5.80%	0.08761	0.01667	0.08918	8.70%	1.66%	8.86%	5.3509	0.02031	4.00%
019.43	23	20	0.99967	0.03805	1.0017	0.04276	0.00645	4.27%	0.03499	0.02115	0.04089	3.50%	2.12%	4.09%	1.9331	0.02027	4.00%
019.44	3	3	0.99533	0.05615	0.99533	0.05615	0.03242	5.64%	0.05600	0.00577	0.05629	5.63%	0.58%	5.66%	9.7504	0.00533	4.00%
019.52	3	3	0.96923	0.11989	0.96923	0.11989	0.06922	12.37%	0.11986	0.00372	0.11992	12.37%	0.38%	12.37%	32.250	0.00347	4.02%
019.99	6	5	1.0188	0.16178	1.0188	0.16178	0.05116	15.88%	0.16168	0.00821	0.16189	15.87%	0.81%	15.89%	19.719	0.00840	3.99%
021.31	4	3	2.6017	0.45250	2.6017	0.45250	0.26125	17.39%	0.45083	0.05492	0.45417	17.33%	2.11%	17.46%	8.2690	0.19250	13.85%
021.34	1		2.0000														
021.41	4	4	1.7865	1.0330	1.7865	1.0330	0.51650	57.82%	1.0309	0.09405	1.0351	57.70%	5.26%	57.94%	11.006	0.11575	14.66%
021.42	2	0															
021.43	7	7	2.7085	0.98236	2.6464	0.97053	0.25939	36.67%	0.88482	0.60351	1.0710	32.67%	22.28%	39.54%	1.7747	0.64167	13.82%
021.52	2	0															
021.53	3	3	2.5929	2.0981	2.5929	2.0981	1.2114	80.92%	2.0968	0.10528	2.0995	80.87%	4.06%	80.97%	19.942	0.12257	13.86%
022.31	16	15	56.707	6.3700	57.038	5.0228	0.88791	8.81%	5.7633	3.8369	6.9237	10.16%	6.77%	12.21%	1.8045	4.8439	8.70%
022.32	4	4	62.269	22.255	62.269	22.255	11.128	35.74%	22.187	2.4586	22.323	35.63%	3.95%	35.85%	9.0794	2.4575	8.59%
022.33	1		56.580														
022.41	28	26	53.298	11.623	54.184	12.906	1.7563	23.82%	11.064	5.0392	12.157	20.76%	9.45%	22.81%	2.4125	5.7976	8.77%
022.42	17	17	50.535	17.198	53.707	12.533	2.1494	23.34%	15.297	11.116	18.909	30.27%	22.00%	37.42%	1.7010	11.078	8.78%
022.43	16	15	51.573	16.333	50.548	16.261	2.9688	32.17%	13.810	12.334	18.516	26.78%	23.92%	35.90%	1.5012	11.097	8.86%
022.44	2	0															
022.52	3	3	57.567	13.967	57.567	13.967	8.0636	24.26%	13.623	4.3520	14.302	23.67%	7.56%	24.84%	3.2862	5.9333	8.69%
022.53	1		86.800														
022.99	2	0															
023.01	2	0															
024.53	1		7.5500														
025.31	13	11	379.43	51.139	369.99	49.299	9.6684	13.32%	48.812	21.567	53.364	12.86%	5.68%	14.06%	2.4744	28.407	6.57%
025.32	2	0															
025.33	1		255.37														
025.41	31	28	342.64	54.955	341.17	45.266	5.9437	13.27%	51.719	26.276	58.011	15.09%	7.67%	16.93%	2.2077	27.925	6.65%
025.42	15	12	350.22	64.831	357.10	61.633	11.648	17.26%	61.517	28.941	67.985	17.57%	8.26%	19.41%	2.3491	39.279	6.60%
025.43	17	16	326.51	58.464	323.98	56.574	9.7023	17.46%	55.214	27.183	61.543	16.91%	8.33%	18.85%	2.2640	30.849	6.70%
025.52	2	0															
025.99	2	0															
027.31	18	16	0.14296	0.00748	0.14403	0.00837	0.00144	5.81%	0.00681	0.00438	0.00810	4.76%	3.06%	5.66%	1.8475	0.00569	5.35%
027.32	4	3	0.15383	0.00582	0.15383	0.00582	0.00336	3.78%	0.00466	0.00492	0.00678	3.03%	3.20%	4.40%	1.3781	0.00430	5.30%
027.33	1		0.13500														
027.41	32	30	0.14687	0.00796	0.14679	0.00787	0.00098	5.36%	0.00735	0.00432	0.00853	5.01%	2.94%	5.81%	1.9755	0.00542	5.34%
027.42	17	14	0.14924	0.00772	0.14910	0.00988	0.00175	6.63%	0.00610	0.00668	0.00905	4.09%	4.48%	6.06%	1.3540	0.00851	5.33%
027.43	20	19	0.14647	0.01008	0.14551	0.01214	0.00192	8.35%	0.00795	0.00876	0.01183	5.43%	5.98%	8.08%	1.3505	0.00993	5.35%

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027.44	3	3	0.13867	0.00525	0.13867	0.00525	0.00303	3.79%	0.00388	0.00500	0.00633	2.80%	3.61%	4.57%	1.2662	0.00600	5.38%
027.52	1		0.13175														
027.99	3	2	0.15500	0.00707	0.15500	0.00707	0.00500	4.56%	0.00707	0.00000	0.00707	4.56%	0.00%	4.56%		0.00333	5.30%
028.31	17	15	99.126	4.6545	99.048	3.9464	0.69763	3.98%	4.2882	2.5595	4.9939	4.33%	2.58%	5.04%	1.9511	2.5699	8.01%
028.32	3	3	104.06	7.2821	104.06	7.2821	4.2043	7.00%	6.7909	3.7184	7.7423	6.53%	3.57%	7.44%	2.0821	3.8767	7.95%
028.33	1		63.740														
028.41	29	25	99.260	9.3942	99.412	9.9276	1.3266	9.99%	8.2050	6.4700	10.449	8.27%	6.52%	10.53%	1.6150	9.3543	8.01%
028.42	18	16	105.14	9.6348	103.67	10.838	1.8063	10.45%	7.9936	7.6068	11.035	7.60%	7.23%	10.49%	1.4506	9.3628	7.96%
028.43	18	16	101.73	10.852	101.91	9.8788	1.6942	9.69%	10.510	3.8234	11.184	10.33%	3.76%	10.99%	2.9251	5.2400	7.98%
028.44	3	3	98.967	11.699	98.967	11.699	6.7543	11.82%	10.337	7.7481	12.918	10.44%	7.83%	13.05%	1.6673	9.1333	8.01%
028.52	1		106.50														
028.99	2	0															
031.00	1		0.70500														
031.01	51	45	0.70481	0.02346	0.70289	0.02319	0.00234	3.30%	0.02245	0.00962	0.02442	3.19%	1.36%	3.47%	2.5399	0.01113	4.22%
031.02	4	4	0.70054	0.00422	0.70054	0.00422	0.00211	0.60%	0.00189	0.00534	0.00566	0.27%	0.76%	0.81%	1.0607	0.00633	4.22%
031.03	5	4	0.70493	0.01340	0.70493	0.01340	0.00670	1.90%	0.01216	0.00795	0.01453	1.73%	1.13%	2.06%	1.8272	0.00664	4.22%
031.06	1		0.72100														
031.41	37	34	0.70798	0.03148	0.70587	0.03386	0.00399	4.80%	0.03031	0.01200	0.03260	4.28%	1.69%	4.60%	2.7175	0.01434	4.21%
031.42	22	20	0.70708	0.05021	0.71330	0.04793	0.00740	6.72%	0.04966	0.01045	0.05075	7.02%	1.48%	7.18%	4.8576	0.01702	4.21%
031.43	24	22	0.71148	0.04340	0.70730	0.03471	0.00512	4.91%	0.04284	0.00986	0.04396	6.02%	1.39%	6.18%	4.4579	0.01187	4.21%
031.44	3	3	0.69517	0.05060	0.69517	0.05060	0.02922	7.28%	0.04771	0.02385	0.05334	6.86%	3.43%	7.67%	2.2364	0.02500	4.22%
031.52	1		0.63595														
031.99	6	5	0.68300	0.03493	0.69667	0.02736	0.00790	3.93%	0.03162	0.02099	0.03795	4.63%	3.07%	5.56%	1.8084	0.02200	4.22%
032.02	1		1.7150														
032.08	1		1.8280														
032.31	18	16	1.6808	0.16279	1.6963	0.08520	0.01461	5.02%	0.16231	0.01763	0.16326	9.66%	1.05%	9.71%	9.2591	0.01962	3.69%
032.32	2	0															
032.41	27	25	1.7170	0.09389	1.7061	0.08488	0.01177	4.98%	0.09162	0.02903	0.09611	5.34%	1.69%	5.60%	3.3101	0.03162	3.69%
032.42	17	15	1.7587	0.15939	1.7402	0.13319	0.02354	7.65%	0.15779	0.03185	0.16097	8.97%	1.81%	9.15%	5.0539	0.04293	3.68%
032.43	19	17	1.6609	0.09251	1.6614	0.08015	0.01300	4.82%	0.09092	0.02408	0.09406	5.47%	1.45%	5.66%	3.9056	0.02812	3.71%
032.44	2	0															
032.52	1		1.6394														
032.99	3	3	1.7650	0.10259	1.7650	0.10259	0.05923	5.81%	0.09738	0.04564	0.10755	5.52%	2.59%	6.09%	2.3563	0.04333	3.67%
033.00	27	22	2.0019	0.08363	2.0053	0.07541	0.01046	3.76%	0.08125	0.02805	0.08595	4.06%	1.40%	4.29%	3.0640	0.03655	3.60%
033.01	30	29	2.0564	0.06981	2.0542	0.07206	0.00930	3.51%	0.06748	0.02529	0.07206	3.28%	1.23%	3.50%	2.8488	0.03253	3.59%
033.03	2	0															
033.05	2	0															
033.99	4	4	2.2300	0.37738	2.2300	0.37738	0.18869	16.92%	0.37657	0.03500	0.37819	16.89%	1.57%	16.96%	10.805	0.04500	3.54%
034.01	2	0															
034.04	4	3	0.78833	0.16751	0.78833	0.16751	0.09671	21.25%	0.16396	0.04848	0.17098	20.80%	6.15%	21.69%	3.5270	10.543	16.58%
034.32	1		0.81500														
034.34	1		0.62500														
034.41	1		1.5350														

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034.42	2	0															
034.43	2	0															
034.52	5	5	1.0854	0.25599	1.0854	0.25599	0.11448	23.58%	0.11334	0.32461	0.34383	10.44%	29.91%	31.68%	1.0592	0.39720	15.80%
034.53	4	3	0.97208	0.15431	0.97208	0.15431	0.08909	15.87%	0.15034	0.04921	0.15819	15.47%	5.06%	16.27%	3.2149	0.15198	16.06%
034.99	1		0.78000														
035.01	3	2	0.82925	0.00035	0.82925	0.00035	0.00025	0.04%		0.00838			1.01%			0.00800	4.11%
035.05	6	5	0.80000	0.04873	0.80000	0.04873	0.01541	6.09%	0.04811	0.01095	0.04935	6.01%	1.37%	6.17%	4.5046	0.01200	4.14%
035.31	24	23	0.78843	0.04513	0.78942	0.04365	0.00644	5.53%	0.04432	0.01204	0.04593	5.62%	1.53%	5.83%	3.8141	0.01297	4.14%
035.32	3	2	0.86053	0.07916	0.86053	0.07916	0.05598	9.20%	0.07896	0.00805	0.07936	9.18%	0.94%	9.22%	9.8613	0.34010	4.09%
035.41	38	36	0.79475	0.04601	0.79144	0.04551	0.00522	5.75%	0.04415	0.01835	0.04781	5.55%	2.31%	6.02%	2.6052	0.02247	4.14%
035.42	20	18	0.80076	0.08005	0.80874	0.06711	0.01089	8.30%	0.07782	0.02652	0.08222	9.72%	3.31%	10.27%	3.1003	0.03273	4.13%
035.43	20	19	0.77872	0.06077	0.78166	0.03641	0.00576	4.66%	0.05967	0.01629	0.06185	7.66%	2.09%	7.94%	3.7962	0.02008	4.15%
035.52	1		0.74200														
035.99	4	4	0.83125	0.05154	0.83125	0.05154	0.02577	6.20%	0.05062	0.01369	0.05244	6.09%	1.65%	6.31%	3.8297	0.01750	4.11%
036.04	4	4	0.51266	0.01917	0.51266	0.01917	0.00959	3.74%	0.01524	0.01645	0.02242	2.97%	3.21%	4.37%	1.3630	0.01953	4.42%
036.42	21	18	0.50262	0.04394	0.49392	0.04190	0.00662	8.48%	0.04129	0.02126	0.04644	8.22%	4.23%	9.24%	2.1843	0.02432	4.45%
036.43	12	10	0.51189	0.03154	0.51231	0.03185	0.00679	6.22%	0.03105	0.00784	0.03202	6.07%	1.53%	6.26%	4.0864	0.01145	4.42%
036.99	2	0															
037.31	19	18	337.44	20.353	339.19	16.754	2.7923	4.94%	19.797	6.6817	20.895	5.87%	1.98%	6.19%	3.1271	6.6927	6.66%
037.32	3	3	365.08	77.413	365.08	77.413	44.695	21.20%	73.403	34.778	81.225	20.11%	9.53%	22.25%	2.3356	41.367	6.58%
037.33	1		374.84														
037.41	28	26	348.98	16.632	347.24	19.206	2.5666	5.53%	13.228	14.259	19.450	3.79%	4.09%	5.57%	1.3640	14.345	6.63%
037.42	17	15	344.60	42.207	339.38	49.065	8.4146	14.46%	39.836	19.726	44.452	11.56%	5.72%	12.90%	2.2535	23.199	6.66%
037.43	19	18	330.49	32.358	331.77	33.762	5.6270	10.18%	30.430	15.559	34.177	9.21%	4.71%	10.34%	2.1966	17.766	6.68%
037.44	2	0															
037.52	2	0															
037.99	3	2	309.43	29.801	309.43	29.801	21.073	9.63%	29.796	0.80822	29.806	9.63%	0.26%	9.63%	36.879	6.4233	6.75%
038.34	1		223.00														
038.41	3	3	0.61598	0.07105	0.61598	0.07105	0.04102	11.53%	0.04199	0.08106	0.09129	6.82%	13.16%	14.82%	1.1262	0.11277	17.21%
038.42	3	3	0.73333	0.43619	0.73333	0.43619	0.25183	59.48%	0.42191	0.15652	0.45001	57.53%	21.34%	61.36%	2.8750	0.18667	16.76%
038.43	6	4	0.75250	0.21628	0.73892	0.22068	0.06370	29.87%	0.21480	0.03571	0.21774	28.54%	4.75%	28.94%	6.0981	0.05178	16.74%
038.52	2	0															
038.53	3	3	0.69398	0.04806	0.69398	0.04806	0.02774	6.92%	0.04276	0.03102	0.05283	6.16%	4.47%	7.61%	1.7028	0.03383	16.90%
040.42	1		0.71500														
040.52	1		0.63500														
041.31	1		0.00000														
041.52	1		0.00000														
041.53	1		0.12550														
042.00	3	2	1.2250	0.04950	1.2250	0.04950	0.03500	4.04%	0.04950	0.00000	0.04950	4.04%	0.00%	4.04%		212.77	3.88%
042.99	1		1.1900														
051.03	1		0.00000														
054.01	10	9	9.6631	1.6589	10.156	1.2362	0.27642	12.17%	1.6321	0.41985	1.6852	16.89%	4.34%	17.44%	4.0138	0.41830	11.29%
054.02	10	8	9.5427	1.2702	9.7686	0.91758	0.21628	9.39%	1.2553	0.27501	1.2850	13.15%	2.88%	13.47%	4.6728	0.47358	11.35%

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054.99	1		9.6700														
057.01	1		4.5900														
057.99	1		1.0000														
066.99	2	0															
073.00	5	4	2,109.5	128.38	2,109.5	128.38	64.192	6.09%	127.52	21.091	129.25	6.04%	1.00%	6.13%	6.1282	74.240	5.06%
073.03	8	8	2,001.0	285.82	2,057.6	238.47	59.617	11.59%	282.41	62.295	289.20	14.11%	3.11%	14.45%	4.6424	72.103	5.07%
073.04	3	3	2,171.6	66.535	2,171.6	66.535	38.414	3.06%	63.543	27.899	69.398	2.93%	1.28%	3.20%	2.4874	35.167	5.03%
101.01	1		2,573.0														
101.02	1		2,815.0														
102.01	1		80.950														
103.01	1		94.450														
103.02	1		100.80														
104.00	2	0															
104.03	3	3	52.870	13.743	52.870	13.743	7.9347	25.99%	13.478	3.8001	14.004	25.49%	7.19%	26.49%	3.6850	4.2400	8.80%
105.00	3	2	13.328	0.21567	13.328	0.21567	0.15250	1.62%		0.67552			5.07%		2.2767	10.83%	
106.00	4	3	132.02	17.597	132.02	17.597	10.160	13.33%	17.535	2.0829	17.659	13.28%	1.58%	13.38%	8.4777	172.14	
106.01	2	0															
106.02	21	19	160.60	41.408	161.11	29.226	4.5096	18.14%	41.082	7.3289	41.731	25.58%	4.56%	25.98%	5.6940	9.0180	
107.00	1		207.00														
108.01	2	0															
108.02	6	6	20.273	4.0480	20.273	4.5905	1.3252	22.64%	3.9166	1.4469	4.1753	19.32%	7.14%	20.60%	2.8857	1.8950	
108.99	1		22.450														
109.02	18	17	263.28	69.722	274.46	72.578	12.096	26.44%	68.730	16.576	70.701	26.11%	6.30%	26.85%	4.2651	19.001	6.87%
109.99	1		248.00														
112.00	1		8.2600														
113.01	1		3.0100														
113.02	1		1.6200														
114.01	1		0.37900														
120.00	19	19	1.1850	0.03916	1.1860	0.04247	0.00689	3.58%	0.03627	0.02089	0.04186	3.06%	1.76%	3.53%	2.0037	0.02246	3.90%
120.01	1		1.1140														
120.02	2	0															
120.05	4	4	1.1148	0.03876	1.1148	0.03876	0.01938	3.48%	0.03496	0.02368	0.04222	3.14%	2.12%	3.79%	1.7831	0.02950	3.93%
120.99	1		1.1400														
121.00	18	15	0.58215	0.03110	0.57930	0.03604	0.00618	6.22%	0.03035	0.00954	0.03182	5.21%	1.64%	5.47%	3.3353	0.01444	4.34%
121.01	1		0.62650														
121.02	2	0															
121.05	4	4	0.60100	0.05488	0.60100	0.05488	0.02744	9.13%	0.05409	0.01314	0.05566	9.00%	2.19%	9.26%	4.2352	0.01700	4.32%
121.99	1		0.66500														
122.00	19	18	2.5814	0.04113	2.5777	0.04703	0.00763	1.82%	0.03405	0.03262	0.04716	1.32%	1.26%	1.83%	1.4455	0.04213	3.47%
122.01	1		2.5005														
122.02	2	0															
122.05	4	4	2.4984	0.09310	2.4984	0.09310	0.04655	3.73%	0.08296	0.05976	0.10224	3.32%	2.39%	4.09%	1.7109	0.06625	3.48%
122.99	1		2.6150														

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124.00	19	17	0.53715	0.03557	0.54026	0.03553	0.00592	6.58%	0.03529	0.00632	0.03585	6.57%	1.18%	6.67%	5.6700	0.00879	4.39%
124.01	1		0.49200														
124.02	2	0															
124.05	2	0															
124.99	2	0															
125.00	19	18	4.2114	0.15626	4.2395	0.15559	0.02524	3.67%	0.15167	0.05318	0.16072	3.60%	1.26%	3.82%	3.0224	0.05445	3.22%
125.01	1		4.1980														
125.02	2	0															
125.05	4	4	4.0089	0.12218	4.0089	0.12218	0.06109	3.05%	0.06357	0.14756	0.16067	1.59%	3.68%	4.01%	1.0889	0.14975	3.25%
125.99	1		4.1550														
126.00	18	17	0.45905	0.01506	0.46064	0.01256	0.00209	2.73%	0.01443	0.00611	0.01567	3.14%	1.33%	3.41%	2.5645	0.00762	4.49%
126.01	1		0.46450														
126.02	2	0															
126.05	4	4	0.48088	0.04406	0.48088	0.04406	0.02203	9.16%	0.03686	0.03413	0.05024	7.67%	7.10%	10.45%	1.4718	0.03575	4.47%
126.99	1		0.47500														
127.00	18	16	0.44603	0.02152	0.44963	0.01804	0.00301	4.01%	0.02040	0.00966	0.02257	4.57%	2.17%	5.06%	2.3370	0.01016	4.51%
127.01	1		0.40300														
127.02	2	0															
127.05	4	3	0.43433	0.02330	0.43433	0.02330	0.01345	5.37%	0.02254	0.00835	0.02404	5.19%	1.92%	5.53%	2.8802	0.03125	4.53%
127.99	1		0.43500														
128.00	19	16	1.4559	0.03176	1.4454	0.04327	0.00702	2.99%	0.02693	0.02380	0.03594	1.85%	1.63%	2.47%	1.5101	0.03284	3.78%
128.01	1		1.5485														
128.02	2	0															
128.05	4	4	1.4014	0.13480	1.4014	0.13480	0.06740	9.62%	0.13031	0.04879	0.13914	9.30%	3.48%	9.93%	2.8521	0.05575	3.80%
128.99	1		1.5300														
129.00	19	18	2.4468	0.05944	2.4530	0.03778	0.00613	1.54%	0.05576	0.02912	0.06291	2.28%	1.19%	2.57%	2.1602	0.02780	3.49%
129.01	1		2.3280														
129.02	2	0															
129.05	4	4	2.3405	0.09314	2.3405	0.09314	0.04657	3.98%	0.07864	0.07059	0.10567	3.36%	3.02%	4.51%	1.4970	0.07550	3.52%
129.99	1		2.4300														
130.00	18	16	2.5912	0.10592	2.5852	0.11585	0.01987	4.48%	0.08151	0.09567	0.12568	3.15%	3.69%	4.85%	1.3137	0.12349	3.47%
130.01	1		2.3945														
130.02	2	0															
130.05	5	5	2.2732	0.18008	2.2732	0.18008	0.08053	7.92%	0.17634	0.05163	0.18374	7.76%	2.27%	8.08%	3.5590	0.05200	3.53%
130.99	2	0															
131.00	16	14	0.65094	0.08935	0.64597	0.08123	0.01436	12.58%	0.08541	0.03709	0.09312	13.12%	5.70%	14.30%	2.5104	0.04147	4.27%
131.01	1		0.59950														
131.02	2	0															
131.05	2	0															
131.99	3	3	0.85517	0.03221	0.85517	0.03221	0.01860	3.77%		0.14519			16.98%			0.13840	4.10%
132.00	18	16	0.75526	0.04655	0.75639	0.04748	0.00814	6.28%	0.04632	0.00664	0.04679	6.13%	0.88%	6.20%	7.0452	0.00808	4.17%
132.01	1		0.75700														
132.02	2	0															

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132.05	4	4	0.75263	0.02581	0.75263	0.02581	0.01291	3.43%	0.00947	0.03396	0.03525	1.26%	4.51%	4.68%	1.0382	0.03475	4.17%
132.99	1		0.81000														
133.00	19	17	1.4568	0.03755	1.4608	0.04552	0.00759	3.12%	0.03038	0.03120	0.04355	2.09%	2.14%	2.99%	1.3959	0.03263	3.78%
133.05	4	4	1.4285	0.04365	1.4285	0.04365	0.02183	3.06%	0.02331	0.05220	0.05717	1.63%	3.65%	4.00%	1.0951	0.06300	3.79%
133.99	2	0															
134.00	18	18	1.2586	0.04088	1.2587	0.04524	0.00754	3.59%	0.03891	0.01773	0.04276	3.09%	1.41%	3.40%	2.4121	0.01760	3.86%
134.01	1		1.2465														
134.02	2	0															
134.05	4	3	1.2250	0.04497	1.2250	0.04497	0.02596	3.67%	0.04408	0.01258	0.04584	3.60%	1.03%	3.74%	3.6431	0.03825	3.88%
134.99	1		1.2850														
135.00	18	16	1.6952	0.04455	1.6959	0.03665	0.00611	2.16%	0.04292	0.01687	0.04612	2.53%	0.99%	2.72%	2.7344	0.01958	3.69%
135.01	1		1.7780														
135.02	2	0															
135.05	4	4	1.6486	0.06117	1.6486	0.06117	0.03058	3.71%	0.03561	0.07033	0.07883	2.16%	4.27%	4.78%	1.1209	0.06925	3.71%
135.99	2	0															
136.00	4	4	0.38488	0.07755	0.38488	0.07755	0.03878	20.15%	0.07745	0.00553	0.07765	20.12%	1.44%	20.18%	14.030	0.00585	4.62%
136.01	5	4	0.41850	0.02465	0.41850	0.02465	0.01233	5.89%	0.02459	0.00250	0.02472	5.88%	0.60%	5.91%	9.8870	0.01020	4.56%
136.02	2	0															
136.03	4	4	0.40738	0.02759	0.40738	0.02759	0.01380	6.77%	0.02695	0.00834	0.02821	6.62%	2.05%	6.93%	3.3813	0.01175	4.58%
137.00	14	13	0.61564	0.08094	0.62341	0.05753	0.01087	9.23%	0.08004	0.01703	0.08183	13.00%	2.77%	13.29%	4.8053	0.01634	4.29%
137.01	1		0.66350														
137.02	2	0															
137.05	4	4	0.63900	0.08122	0.63900	0.08122	0.04061	12.71%	0.07845	0.02974	0.08389	12.28%	4.65%	13.13%	2.8213	0.03700	4.28%
137.99	1		0.69500														
138.00	18	17	1.3473	0.05688	1.3515	0.04331	0.00722	3.20%	0.05408	0.02492	0.05954	4.01%	1.85%	4.42%	2.3895	0.02524	3.82%
138.01	1		1.5180														
138.02	2	0															
138.05	4	4	1.3633	0.15403	1.3633	0.15403	0.07701	11.30%	0.15208	0.03454	0.15595	11.16%	2.53%	11.44%	4.5152	0.03400	3.82%
138.99	1		1.3950														
139.00	3	3	0.09833	0.05923	0.09833	0.05923	0.03420	60.24%	0.05802	0.01683	0.06042	59.01%	17.12%	61.44%	3.5892	0.01667	5.67%
139.02	1		0.00000														
139.05	1		0.00000														
160.99	5	4	0.00000	0.00000	0.00000	0.00000	0.00000		0.00000	0.00000	0.00000					0.10820	22.00%
161.99	2	0															
162.99	9	6	1.0589	0.13794	1.1253	0.19735	0.04934	17.54%	0.13676	0.02547	0.13911	12.92%	2.41%	13.14%	5.4616	0.03900	3.93%
163.99	14	12	34.347	2.5056	34.801	2.9736	0.58317	8.54%	2.4807	0.49857	2.5303	7.22%	1.45%	7.37%	5.0750	0.61754	1.70%
164.99	4	2	0.00000	0.00000	0.00000	0.00000	0.00000		0.00000	0.00000	0.00000					0.01193	22.00%
165.99	4	3	0.23483	0.03275	0.23483	0.03275	0.01891	13.95%	0.01719	0.03942	0.04301	7.32%	16.79%	18.31%	1.0909	0.17075	4.97%
166.99	1		0.00000														
167.99	1		0.00000														
400.01	3	3	0.21733	0.01762	0.21733	0.01762	0.01017	8.11%		0.02960			13.62%			0.03200	
400.99	1		0.22250														
516.00	1		0.01350														

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
516.42	2	0															
516.52	1		0.34500														
516.53	3	2	0.01840	0.00438	0.01840	0.00438	0.00310	23.83%	0.00360	0.00354	0.00505	19.57%	19.21%	27.43%	1.4274	0.02000	22.00%
518.41	3	0														0.00000	
518.42	1		0.64500														
518.43	1		0.00000														
518.52	1		0.00000														
518.53	2	0															
520.41	3	3	0.35033	0.08838	0.35033	0.08838	0.05103	25.23%	0.08338	0.04143	0.09311	23.80%	11.83%	26.58%	2.2474	0.04000	18.73%
520.43	2	0															
520.52	1		0.00000														
520.53	2	0															
520.99	1		1.4555														
526.31	1		0.00000														
526.41	2	0															
526.43	2	0															
526.52	1		0.00000														
526.53	5	4	0.04833	0.00462	0.04833	0.00462	0.00231	9.55%	0.00437	0.00209	0.00485	9.05%	4.33%	10.03%	2.3187	0.00224	22.00%
529.00	1		0.00000														
529.99	3	2	0.00000	0.00000	0.00000	0.00000	0.00000		0.00000	0.00000	0.00000					0.00267	22.00%
539.41	2	0															
539.43	1		0.26840														
539.52	1		1.1400														
539.53	2	0															
600.01	3	2	0.45000	0.63640												0.20000	
600.08	1		0.00000														
600.98	1		0.00000														
610.01	1		300.00														
620.07	1		0.00000														
640.98	1		110.95														
650.04	1		0.00000														
710.99	1		0.06450														
718.99	1		0.34000														
726.99	1		2.1000														
728.99	1		0.10000														
736.99	1		0.04000														
740.99	1		0.00000														
746.99	1		0.01000														
750.99	1		0.00000														
754.99	1		0.11000														
756.99	1		2.1600														