

AAFCO Check Sample Program

All Methods Report

Sort by Method

Proficiency For Individual Methods

Sample # 201425

Show Pig Primer, Medicated



AAFCO

Check Sample Program

Issue Date : 06/30/2014

Method Code	Total # Labs Submitting	# Labs Included in Calculations	Mean	SD	Assigned Value - Robust Mean	AAFCO CS fip - Robust sd	Uncertainty (U) - Robust	% RSD - Robust	Between Labs sL	Within Labs sr	Reproducibility sR	Between Labs %RSD	Within Labs %/srd	Reproducibility %RSD	sR/sr	Average Range (R-bar)	Horwitz %RSD
000.02	1		1.0000														
000.99	1		0.01000														
001.00	6	4	10.631	0.20795	9.9279	1.5828	0.50051	15.94%	0.20469	0.05192	0.21117	1.93%	0.49%	1.99%	4.0669	0.05032	2.83%
001.03	13	10	10.702	0.21216	10.652	0.16220	0.03311	1.52%	0.21212	0.00599	0.21221	1.98%	0.06%	1.98%	35.446	0.01451	2.80%
001.05	1		10.265														
001.07	35	31	10.640	0.22849	10.666	0.22929	0.02822	2.15%	0.22387	0.06463	0.23301	2.10%	0.61%	2.19%	3.6054	0.07529	2.80%
001.08	3	3	10.693	0.03055	10.693	0.03055	0.01247	0.29%		0.16166			1.51%			0.18667	2.80%
001.99	20	18	10.576	0.32290	10.561	0.31818	0.05031	3.01%	0.31239	0.11554	0.33307	2.95%	1.09%	3.15%	2.8829	0.12095	2.81%
002.00	5	4	23.710	0.29729	24.169	1.0582	0.33462	4.38%	0.28591	0.11522	0.30825	1.21%	0.49%	1.30%	2.6754	0.15400	2.48%
002.01	16	15	23.715	0.33650	23.717	0.29335	0.05186	1.24%	0.32804	0.10604	0.34475	1.38%	0.45%	1.45%	3.2513	0.14339	2.48%
002.02	5	5	23.879	0.40385	23.879	0.40385	0.12771	1.69%	0.39769	0.09938	0.40992	1.67%	0.42%	1.72%	4.1249	0.12250	2.48%
002.04	6	5	23.730	0.39655	23.676	0.42943	0.12397	1.81%	0.39483	0.05215	0.39826	1.66%	0.22%	1.68%	7.6363	0.09167	2.48%
002.05	32	30	23.904	0.34491	23.885	0.32770	0.04162	1.37%	0.34239	0.05884	0.34741	1.43%	0.25%	1.45%	5.9039	0.06454	2.48%
002.06	130	122	24.090	0.31973	24.098	0.30131	0.01891	1.25%	0.29850	0.16200	0.33963	1.24%	0.67%	1.41%	2.0965	0.18847	2.48%
002.08	2	0															
002.10	1		24.550														
002.11	6	6	24.281	0.99790	24.296	1.0974	0.31678	4.52%	0.99379	0.12803	1.0020	4.09%	0.53%	4.13%	7.8263	0.13500	2.47%
002.99	1		23.670														
003.00	14	13	5.5826	0.18417	5.5797	0.20402	0.04001	3.66%	0.17920	0.06010	0.18901	3.21%	1.08%	3.39%	3.1448	0.06266	3.09%
003.01	3	2	5.3959	0.28871	5.4089	0.20540	0.08385	3.80%	0.28870	0.00400	0.28873	5.35%	0.07%	5.35%	72.181	0.09267	3.10%
003.06	22	19	5.5068	0.21395	5.5111	0.12895	0.01944	2.34%	0.20441	0.08935	0.22308	3.71%	1.62%	4.05%	2.4969	0.10189	3.09%
003.09	21	19	5.4431	0.14317	5.4376	0.14983	0.02369	2.76%	0.13555	0.06517	0.15041	2.49%	1.20%	2.76%	2.3078	0.07523	3.10%
003.10	31	29	5.4252	0.14610	5.4110	0.15550	0.02008	2.87%	0.13973	0.06035	0.15220	2.58%	1.11%	2.81%	2.5221	0.06002	3.10%
003.11	5	5	5.1440	0.13064	5.1440	0.13064	0.04131	2.54%	0.12953	0.02408	0.13175	2.52%	0.47%	2.56%	5.4705	0.02800	3.13%
003.12	9	9	5.4770	0.13483	5.4748	0.14912	0.03515	2.72%	0.13362	0.02542	0.13602	2.44%	0.46%	2.48%	5.3502	0.02684	3.10%
003.13	9	8	5.4719	0.12142	5.4728	0.09398	0.02215	1.72%	0.11418	0.05842	0.12825	2.09%	1.07%	2.34%	2.1955	0.09778	3.10%
003.14	36	33	5.4072	0.20627	5.4052	0.17172	0.02052	3.18%	0.19673	0.08766	0.21538	3.64%	1.62%	3.98%	2.4570	0.09827	3.10%

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003.99	3	2	5.4800	0.07778	6.1033	1.0810	0.44133	17.71%	0.04924	0.08515	0.09836	0.90%	1.55%	1.79%	1.1552	0.49333	3.05%
004.00	19	19	2.5427	0.24750	2.5582	0.24513	0.03977	9.58%	0.23782	0.09694	0.25681	9.35%	3.81%	10.10%	2.6493	0.11147	3.47%
004.01	1		3.8150														
004.03	5	5	2.7240	0.49968	2.7240	0.49968	0.15801	18.34%	0.48582	0.16529	0.51317	17.83%	6.07%	18.84%	3.1047	0.18000	3.44%
004.06	33	29	2.7015	0.38767	2.6304	0.28777	0.03597	10.94%	0.38642	0.04407	0.38892	14.30%	1.63%	14.40%	8.8254	0.05452	3.46%
004.07	63	56	2.4441	0.24587	2.4226	0.23818	0.02156	9.83%	0.23964	0.07778	0.25195	9.80%	3.18%	10.31%	3.2393	0.09560	3.50%
004.11	4	4	3.6113	0.22805	3.6113	0.22805	0.08063	6.31%	0.22310	0.06680	0.23289	6.18%	1.85%	6.45%	3.4863	0.06750	3.30%
004.99	2	0															
005.00	104	92	5.7656	0.16582	5.7763	0.17936	0.01268	3.11%	0.16263	0.04580	0.16895	2.82%	0.79%	2.93%	3.6892	0.06254	3.07%
005.01	1		5.4300														
005.02	1		5.9850														
005.05	31	28	5.9275	0.10935	5.9356	0.12107	0.01590	2.04%	0.10557	0.04031	0.11301	1.78%	0.68%	1.91%	2.8032	0.04988	3.06%
005.11	5	4	6.0563	1.7879	6.8280	2.3185	0.73317	33.96%	1.7878	0.03142	1.7880	29.52%	0.52%	29.52%	56.899	0.12800	3.00%
005.99	10	10	5.8449	0.13950	5.8362	0.14054	0.03143	2.41%	0.13522	0.04849	0.14366	2.31%	0.83%	2.46%	2.9626	0.04680	3.07%
006.00	3	3	6.4850	1.9161	6.4850	1.9161	0.78223	29.55%	1.9122	0.17229	1.9199	29.49%	2.66%	29.61%	11.144	0.21000	3.02%
006.01	2	0															
006.99	7	6	7.0033	1.2819	7.3196	0.91996	0.26557	12.57%	1.2814	0.04830	1.2824	18.30%	0.69%	18.31%	26.547	0.05333	2.96%
008.02	13	11	4.0675	0.69002	4.0488	0.69302	0.14146	17.12%	0.68873	0.05975	0.69131	16.93%	1.47%	17.00%	11.570	0.08758	3.24%
008.05	1		4.0500														
008.08	32	29	3.8859	0.75995	3.8816	0.67078	0.08660	17.28%	0.75253	0.14980	0.76730	19.37%	3.86%	19.75%	5.1220	0.18953	3.26%
008.99	1		6.9050														
009.04	1		9.7450														
009.07	7	6	8.3486	2.2473	8.0742	2.1489	0.57431	26.61%	2.2392	0.26924	2.2553	26.82%	3.22%	27.01%	8.3766	0.50510	2.92%
009.09	30	27	7.7636	0.80923	7.6545	0.70728	0.09287	9.24%	0.79250	0.23155	0.82563	10.21%	2.98%	10.63%	3.5656	0.30928	2.94%
009.99	2	0															
010.03	2	0															
010.11	4	4	10.841	0.34451	10.841	0.34451	0.12180	3.18%	0.34329	0.04108	0.34574	3.17%	0.38%	3.19%	8.4163	0.04750	2.79%
010.99	8	8	10.491	0.72510	10.558	0.67995	0.16999	6.44%	0.72290	0.07988	0.72730	6.89%	0.76%	6.93%	9.1046	0.08875	2.81%
011.01	76	68	11.618	0.29880	11.618	0.31686	0.02605	2.73%	0.29069	0.09782	0.30670	2.50%	0.84%	2.64%	3.1355	0.12850	2.77%
011.02	2	0															
011.03	1		10.395														
011.99	3	3	11.275	0.35920	11.275	0.35920	0.14664	3.19%	0.33865	0.16936	0.37864	3.00%	1.50%	3.36%	2.2357	0.19667	2.78%
012.00	13	11	31.111	1.3951	30.714	1.2497	0.24509	4.07%	1.3910	0.15140	1.3992	4.47%	0.49%	4.50%	9.2417	0.18385	2.39%
012.01	5	5	28.020	2.1113	28.020	2.1113	0.66765	7.54%	2.0669	0.60870	2.1547	7.38%	2.17%	7.69%	3.5399	0.69930	2.42%
012.03	5	5	27.114	2.1424	27.114	2.1424	0.67747	7.90%	2.1036	0.57385	2.1805	7.76%	2.12%	8.04%	3.7997	0.69600	2.43%
012.04	6	6	29.598	2.2332	29.598	2.5325	0.73106	8.56%	2.2259	0.25629	2.2406	7.52%	0.87%	7.57%	8.7424	0.30333	2.40%
012.11	5	5	30.757	1.6702	30.757	1.6702	0.52817	5.43%	1.6636	0.21059	1.6769	5.41%	0.68%	5.45%	7.9625	0.25800	2.39%
013.00	18	18	6.2778	0.46516	6.2206	0.37718	0.06286	6.06%	0.45566	0.13224	0.47446	7.26%	2.11%	7.56%	3.5879	0.14327	3.04%

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013.02	21	21	6.8913	0.34011	6.8792	0.35953	0.05548	5.23%	0.30546	0.21150	0.37154	4.43%	3.07%	5.39%	1.7566	0.21847	2.99%
013.08	1		5.2550														
013.10	10	9	6.1674	0.57546	6.3539	0.26919	0.06345	4.24%	0.57184	0.09116	0.57906	9.27%	1.48%	9.39%	6.3521	0.10978	3.03%
013.12	2	0															
013.13	3	2	6.4025	0.00354	6.5183	0.20064	0.08191	3.08%		0.10548			1.65%			0.11000	3.02%
015.41	6	6	492.46	70.928	506.50	47.852	13.814	9.45%	67.732	29.773	73.987	13.75%	6.05%	15.02%	2.4850	33.783	6.27%
015.42	1		236.50														
015.43	8	8	315.78	122.69	311.45	131.13	32.784	42.10%	120.54	32.381	124.81	38.17%	10.25%	39.52%	3.8544	35.574	6.74%
015.53	1		604.50														
017.41	2	0															
017.42	4	4	16.815	3.3043	16.815	3.3043	1.1683	19.65%	3.2878	0.46637	3.3207	19.55%	2.77%	19.75%	7.1204	0.50000	10.46%
017.43	7	6	14.510	1.6570	14.594	0.84547	0.22596	5.79%	1.6047	0.58422	1.7077	11.06%	4.03%	11.77%	2.9231	0.68000	10.69%
019.00	20	18	0.69418	0.05678	0.69155	0.05000	0.00811	7.23%	0.05571	0.01552	0.05783	8.03%	2.24%	8.33%	3.7269	0.01453	4.23%
019.02	1		0.88000														
019.03	1		0.74470														
019.08	10	8	0.70744	0.05096	0.71475	0.05040	0.01188	7.05%	0.05082	0.00520	0.05109	7.18%	0.74%	7.22%	9.8207	0.00456	4.21%
019.09	1		0.77750														
019.31	29	27	0.69988	0.03470	0.70405	0.02811	0.00376	3.99%	0.03277	0.01612	0.03652	4.68%	2.30%	5.22%	2.2657	0.02685	4.22%
019.32	5	4	0.70438	0.01830	0.66650	0.08616	0.02725	12.93%	0.01618	0.01209	0.02019	2.30%	1.72%	2.87%	1.6709	0.01476	4.25%
019.34	1		0.65500														
019.41	38	36	0.69390	0.04484	0.69378	0.02512	0.00292	3.62%	0.04291	0.01840	0.04669	6.18%	2.65%	6.73%	2.5372	0.01912	4.23%
019.42	22	20	0.71497	0.03966	0.71376	0.04234	0.00669	5.93%	0.03766	0.01759	0.04156	5.27%	2.46%	5.81%	2.3630	0.02075	4.21%
019.43	19	19	0.70344	0.04035	0.70368	0.04445	0.00721	6.32%	0.03795	0.01939	0.04261	5.39%	2.76%	6.06%	2.1981	0.02019	4.22%
019.52	2	0															
019.53	1		0.71905														
019.99	6	6	0.75875	0.08963	0.74001	0.05854	0.01690	7.91%	0.08937	0.00975	0.08990	11.78%	1.29%	11.85%	9.2194	0.00983	4.19%
021.00	1		0.35000														
021.31	1		0.46000														
021.34	1		0.74500														
021.41	4	4	0.48673	0.16125	0.48673	0.16125	0.05701	33.13%	0.16025	0.02536	0.16224	32.92%	5.21%	33.33%	6.3982	0.03370	17.83%
021.42	1		0.36300														
021.43	5	4	0.71681	0.09850	0.57345	0.33172	0.10490	57.85%	0.09594	0.03158	0.10100	13.38%	4.41%	14.09%	3.1980	0.03310	17.39%
021.53	3	3	0.59150	0.06547	0.59150	0.06547	0.02673	11.07%	0.02511	0.08550	0.08911	4.24%	14.46%	15.07%	1.0422	0.08900	17.31%
022.31	15	13	15.169	1.3191	15.253	1.4525	0.27449	9.52%	1.2681	0.51383	1.3682	8.36%	3.39%	9.02%	2.6628	0.57714	10.62%
022.32	5	4	16.135	1.5203	16.766	1.9299	0.61027	11.51%	1.5203	0.02062	1.5204	9.42%	0.13%	9.42%	73.750	0.12400	10.47%
022.33	1		13.415														
022.35	1		16.905														
022.41	28	28	15.030	2.3225	14.964	1.6950	0.22651	11.33%	2.2531	0.79665	2.3898	14.99%	5.30%	15.90%	2.9998	0.84414	10.65%

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022.42	20	17	15.905	1.7646	15.702	1.0387	0.16849	6.61%	1.7467	0.35448	1.7823	10.98%	2.23%	11.21%	5.0280	0.51211	10.57%
022.43	18	14	14.528	0.80993	14.782	0.72805	0.12486	4.93%	0.79880	0.18919	0.82090	5.50%	1.30%	5.65%	4.3390	0.37294	10.67%
022.53	3	3	12.900	2.5500	12.900	2.5500	1.0410	19.77%	2.5161	0.58595	2.5834	19.50%	4.54%	20.03%	4.4090	0.80000	10.89%
022.99	2	0															
023.01	1		0.00180														
025.31	17	14	378.07	35.289	383.37	31.807	5.6228	8.30%	35.159	4.2766	35.419	9.30%	1.13%	9.37%	8.2820	9.7850	6.53%
025.32	4	4	292.18	125.35	292.18	125.35	44.320	42.90%	125.03	12.675	125.67	42.79%	4.34%	43.01%	9.9153	16.043	6.81%
025.33	1		304.18														
025.34	1		428.89														
025.41	29	26	385.08	23.969	385.22	26.122	3.4299	6.78%	22.725	10.781	25.152	5.90%	2.80%	6.53%	2.3330	12.598	6.53%
025.42	18	17	303.57	40.468	307.07	31.346	5.2243	10.21%	39.320	13.538	41.585	12.95%	4.46%	13.70%	3.0718	13.373	6.76%
025.43	19	18	337.06	48.976	335.71	52.539	8.7565	15.65%	48.700	7.3458	49.251	14.45%	2.18%	14.61%	6.7046	8.0683	6.67%
025.52	1		277.70														
025.53	1		354.50														
025.99	2	0															
027.31	14	11	0.16655	0.01016	0.16673	0.00689	0.00135	4.13%	0.01003	0.00226	0.01028	6.02%	1.36%	6.17%	4.5466	0.00224	5.24%
027.32	3	2	0.18500	0.00000	0.18367	0.00231	0.00094	1.26%		0.00510			2.76%			0.00467	5.16%
027.33	1		0.14500														
027.34	1		0.16000														
027.41	26	24	0.17014	0.00982	0.16986	0.00832	0.00115	4.90%	0.00927	0.00460	0.01035	5.45%	2.71%	6.08%	2.2481	0.00442	5.22%
027.42	17	15	0.18091	0.05469	0.16933	0.01213	0.00214	7.16%	0.05457	0.00510	0.05481	30.16%	2.82%	30.30%	10.738	0.06634	5.23%
027.43	16	16	0.16389	0.01272	0.16348	0.01326	0.00234	8.11%	0.01237	0.00421	0.01306	7.55%	2.57%	7.97%	3.1012	0.00392	5.25%
027.52	1		0.17960														
027.53	1		0.16855														
027.99	3	0			0.16667	0.01528	0.00624	9.17%								0.00000	5.24%
028.31	16	15	48.441	5.0197	48.639	5.2672	0.96166	10.83%	4.9847	0.83593	5.0543	10.29%	1.73%	10.43%	6.0463	0.82800	8.92%
028.32	4	3	52.083	1.2829	45.134	13.939	4.9280	30.88%	1.0831	0.97232	1.4555	2.08%	1.87%	2.79%	1.4970	1.0125	9.02%
028.33	1		50.995														
028.34	1		71.565														
028.41	29	27	52.963	3.5424	52.474	3.3734	0.44296	6.43%	3.3213	1.7422	3.7505	6.27%	3.29%	7.08%	2.1528	1.9372	8.81%
028.42	20	19	53.276	3.9643	53.181	4.2664	0.69210	8.02%	3.7150	1.9570	4.1989	6.97%	3.67%	7.88%	2.1456	2.0974	8.80%
028.43	19	18	52.132	4.7954	52.197	4.8489	0.78659	9.29%	4.6926	1.3971	4.8961	9.00%	2.68%	9.39%	3.5045	1.7095	8.82%
028.44	1		43.100														
028.53	2	0															
028.99	2	0															
031.00	2	0															
031.01	57	51	0.59096	0.02214	0.58900	0.02003	0.00189	3.40%	0.02140	0.00803	0.02286	3.62%	1.36%	3.87%	2.8478	0.00984	4.33%
031.02	4	4	0.57645	0.00851	0.57645	0.00851	0.00301	1.48%	0.00767	0.00522	0.00927	1.33%	0.90%	1.61%	1.7781	0.00605	4.35%

Method Code	Total # Labs Submitting	# Labs Included in Calculations	Mean	SD	Assigned Value - Robust Mean	AAFCO CS ftp - 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
031.03	4	3	0.57528	0.02630	0.56896	0.02492	0.00881	4.38%	0.02609	0.00463	0.02650	4.54%	0.80%	4.61%	5.7237	0.02423	4.35%
031.06	2	0															
031.41	35	34	0.57693	0.02802	0.57860	0.01668	0.00199	2.88%	0.02612	0.01432	0.02979	4.53%	2.48%	5.16%	2.0807	0.01666	4.34%
031.42	22	19	0.56966	0.03882	0.57262	0.03662	0.00565	6.40%	0.03820	0.00973	0.03942	6.71%	1.71%	6.92%	4.0517	0.01244	4.35%
031.43	19	17	0.57440	0.03020	0.57842	0.02955	0.00492	5.11%	0.02982	0.00669	0.03056	5.19%	1.16%	5.32%	4.5677	0.00962	4.34%
031.44	1		0.64000														
031.52	1		0.57915														
031.53	2	0															
031.99	7	7	0.56571	0.02317	0.56968	0.01697	0.00454	2.98%	0.02038	0.01558	0.02566	3.60%	2.75%	4.54%	1.6464	0.01714	4.35%
032.02	4	4	0.87575	0.38233	0.87575	0.38233	0.13518	43.66%	0.38191	0.02550	0.38276	43.61%	2.91%	43.71%	15.013	0.02500	4.08%
032.08	1		1.0340														
032.31	16	13	1.0710	0.03945	1.0713	0.04940	0.00902	4.61%	0.03852	0.01206	0.04036	3.60%	1.13%	3.77%	3.3460	0.01747	3.96%
032.32	2	0															
032.41	25	22	1.1078	0.04817	1.1060	0.04407	0.00623	3.98%	0.04673	0.01654	0.04957	4.22%	1.49%	4.47%	2.9978	0.02454	3.94%
032.42	19	17	1.1018	0.03479	1.1076	0.03626	0.00588	3.27%	0.03266	0.01695	0.03680	2.96%	1.54%	3.34%	2.1708	0.02511	3.94%
032.43	16	16	1.0623	0.08417	1.0779	0.06293	0.01112	5.84%	0.08258	0.02303	0.08574	7.77%	2.17%	8.07%	3.7220	0.02203	3.95%
032.52	1		1.0990														
032.53	2	0															
032.99	3	3	1.0500	0.12619	1.0500	0.12619	0.05152	12.02%	0.12613	0.00577	0.12626	12.01%	0.55%	12.02%	21.869	0.00667	3.97%
033.00	31	28	0.41719	0.04072	0.42328	0.03994	0.00516	9.43%	0.04039	0.00728	0.04105	9.68%	1.75%	9.84%	5.6351	0.00893	4.55%
033.01	41	37	0.48632	0.02757	0.48012	0.02010	0.00225	4.19%	0.02663	0.01007	0.02847	5.48%	2.07%	5.85%	2.8275	0.01202	4.47%
033.03	6	6	0.40250	0.03373	0.40250	0.03825	0.01104	9.50%	0.03291	0.01041	0.03452	8.18%	2.59%	8.58%	3.3166	0.00833	4.59%
033.05	4	4	0.50250	0.07621	0.50250	0.07621	0.02695	15.17%	0.07597	0.00866	0.07646	15.12%	1.72%	15.22%	8.8286	0.01000	4.44%
033.99	7	6	0.50536	0.20224	0.51083	0.08819	0.02546	17.26%	0.20211	0.01024	0.20237	39.99%	2.03%	40.04%	19.754	0.01285	4.43%
034.01	3	2	0.29275	0.00601	0.24017	0.09118	0.03722	37.96%	0.00381	0.00658	0.00760	1.30%	2.25%	2.60%	1.1555	0.09500	19.83%
034.04	6	6	0.31375	0.05080	0.31035	0.05108	0.01474	16.46%	0.04917	0.01809	0.05239	15.67%	5.76%	16.70%	2.8967	0.01817	19.08%
034.41	1		0.42150														
034.42	1		1.7650														
034.43	3	2	0.00000	0.00000	0.01130	0.01957	0.00799	173.21%	0.00000	0.00000	0.00000					0.00147	31.41%
034.52	2	0															
034.53	5	4	0.34463	0.05295	0.32570	0.06240	0.01973	19.16%	0.05263	0.00825	0.05327	15.27%	2.40%	15.46%	6.4539	0.02740	18.94%
034.99	2	0															
035.01	3	3	0.33183	0.01210	0.33183	0.01210	0.00494	3.65%	0.01149	0.00534	0.01267	3.46%	1.61%	3.82%	2.3737	0.00700	4.72%
035.05	9	9	0.34961	0.03733	0.34410	0.02633	0.00620	7.65%	0.03682	0.00876	0.03784	10.53%	2.51%	10.82%	4.3204	0.00967	4.70%
035.31	20	18	0.34043	0.01974	0.34175	0.01866	0.00303	5.46%	0.01869	0.00895	0.02073	5.49%	2.63%	6.09%	2.3149	0.00963	4.70%
035.32	3	3	0.31608	0.04172	0.31608	0.04172	0.01703	13.20%	0.04079	0.01242	0.04264	12.90%	3.93%	13.49%	3.4329	0.01190	4.76%
035.41	32	31	0.33490	0.01642	0.33371	0.01730	0.00216	5.18%	0.01522	0.00873	0.01754	4.54%	2.61%	5.24%	2.0105	0.00921	4.72%
035.42	20	18	0.32909	0.02783	0.33561	0.01922	0.00312	5.73%	0.02750	0.00611	0.02817	8.35%	1.86%	8.56%	4.6111	0.00880	4.71%

Method Code	Total # Labs Submitting	# Labs Included in Calculations	Mean	SD	Assigned Value - Robust Mean	AAFCO CS ftp - 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
035.43	14	14	0.32017	0.02334	0.32050	0.02337	0.00442	7.29%	0.02212	0.01052	0.02450	6.91%	3.29%	7.65%	2.3292	0.01009	4.75%
035.52	1		0.37265														
035.53	2	0															
035.99	3	2	0.59000	0.38184	0.51000	0.30348	0.12390	59.51%	0.38184	0.00000	0.38184	64.72%	0.00%	64.72%		0.00667	4.43%
036.04	3	3	0.50000	0.02179	0.50000	0.02179	0.00890	4.36%	0.02141	0.00577	0.02217	4.28%	1.15%	4.43%	3.8406	0.00667	4.44%
036.42	19	16	0.48452	0.05119	0.48538	0.03405	0.00568	7.02%	0.05059	0.01105	0.05178	10.44%	2.28%	10.69%	4.6842	0.01377	4.46%
036.43	8	7	0.48421	0.02405	0.48437	0.02699	0.00721	5.57%	0.02380	0.00491	0.02430	4.92%	1.01%	5.02%	4.9530	0.00500	4.46%
036.99	2	0															
037.31	20	18	137.20	10.144	136.54	7.4466	1.2080	5.45%	9.7525	3.9492	10.522	7.11%	2.88%	7.67%	2.6643	4.3839	7.63%
037.32	5	5	141.31	17.969	141.31	17.969	5.6823	12.72%	17.482	5.8778	18.443	12.37%	4.16%	13.05%	3.1378	6.1400	7.59%
037.33	1		124.26														
037.34	1		124.39														
037.41	31	26	134.04	8.1382	134.51	7.3046	0.94302	5.43%	7.7557	3.4873	8.5036	5.79%	2.60%	6.34%	2.4385	4.6294	7.65%
037.42	19	17	138.97	11.066	137.43	12.477	2.0795	9.08%	10.270	5.8294	11.809	7.39%	4.19%	8.50%	2.0257	5.8694	7.63%
037.43	19	17	133.24	9.6709	132.84	10.279	1.7131	7.74%	9.3738	3.3644	9.9593	7.04%	2.53%	7.47%	2.9602	4.2328	7.66%
037.52	1		147.40														
037.53	2	0															
037.99	3	3	125.17	15.767	125.17	15.767	6.4367	12.60%	15.039	6.6958	16.462	12.02%	5.35%	13.15%	2.4586	9.0000	7.73%
038.41	3	3	3.9601	0.10869	3.9601	0.10869	0.04437	2.74%		0.19744			4.99%			0.19857	13.00%
038.42	3	3	4.1267	0.23159	4.1267	0.23159	0.09455	5.61%	0.16643	0.22774	0.28208	4.03%	5.52%	6.84%	1.2386	0.22667	12.92%
038.43	7	5	3.9350	0.26491	3.8849	0.30257	0.08734	7.79%	0.24403	0.14577	0.28425	6.20%	3.70%	7.22%	1.9500	0.34050	13.04%
038.52	1		3.8730														
038.53	2	0															
040.42	1		5.9850														
040.53	1		5.5265														
041.43	1		0.00000														
041.53	1		1.1850														
042.00	1		0.26000														
057.00	1		4.1500														
057.01	3	3	4.9850	0.92259	4.9850	0.92259	0.37665	18.51%	0.91571	0.15901	0.92942	18.37%	3.19%	18.64%	5.8451	0.18333	12.56%
088.00	7	7	36.532	5.8204	35.666	5.0761	1.3567	14.23%	5.7008	1.6599	5.9375	15.60%	4.54%	16.25%	3.5771	1.9539	9.34%
088.03	6	6	39.207	6.4797	38.959	6.8602	1.9804	17.61%	6.3908	1.5130	6.5674	16.30%	3.86%	16.75%	4.3407	1.8833	9.22%
101.01	1		1,653.1														
101.02	1		2,200.5														
102.01	1		57.850														
103.01	1		8.7750														
104.00	2	0															
104.03	1		14.100														

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105.00	1		3.5000														
106.00	1		3.9650														
106.01	1		0.00000														
106.02	18	15	0.47960	0.52379	0.54763	0.58565	0.10044	106.94%	0.52319	0.03544	0.52439	109.09%	7.39%	109.34%	14.799	0.03612	43.98%
107.00	1		15.850														
108.01	2	0															
108.02	4	3	0.70133	0.16591	1.3960	1.3959	0.49353	99.99%	0.16526	0.02072	0.16655	23.56%	2.95%	23.75%	8.0381	0.03600	38.20%
109.02	22	20	51.769	22.225	53.437	16.809	2.5937	31.46%	22.137	2.8049	22.314	42.76%	5.42%	43.10%	7.9552	3.3973	8.79%
113.01	1		1.5050														
114.01	1		0.37200														
120.00	17	15	1.1183	0.02250	1.1155	0.02766	0.00489	2.48%	0.02071	0.01245	0.02417	1.85%	1.11%	2.16%	1.9408	0.01406	3.93%
120.01	3	2	1.0805	0.00071	1.0913	0.01877	0.00766	1.72%		0.02417			2.24%			0.03933	3.95%
120.02	2	0															
120.05	4	4	1.0558	0.03628	1.0558	0.03628	0.01283	3.44%	0.03378	0.01872	0.03862	3.20%	1.77%	3.66%	2.0628	0.01850	3.97%
121.00	17	17	1.5477	0.04566	1.5477	0.05178	0.00888	3.35%	0.04308	0.02142	0.04811	2.78%	1.38%	3.11%	2.2456	0.02229	3.75%
121.01	3	3	1.5817	0.05735	1.5817	0.05735	0.02342	3.63%	0.05032	0.03891	0.06361	3.18%	2.46%	4.02%	1.6347	0.05200	3.73%
121.02	2	0															
121.05	4	4	1.5241	0.09077	1.5241	0.09077	0.03209	5.96%	0.08745	0.03442	0.09398	5.74%	2.26%	6.17%	2.7304	0.03875	3.75%
122.00	16	15	2.4478	0.07935	2.4503	0.05196	0.00919	2.12%	0.07530	0.03542	0.08321	3.08%	1.45%	3.40%	2.3493	0.04406	3.50%
122.01	3	3	2.4282	0.04783	2.4282	0.04783	0.01953	1.97%		0.06836			2.82%			0.08900	3.50%
122.02	2	0															
122.05	4	4	2.4045	0.10977	2.4045	0.10977	0.03881	4.57%	0.10482	0.04608	0.11450	4.36%	1.92%	4.76%	2.4851	0.05100	3.50%
124.00	17	14	0.36389	0.02520	0.36911	0.02462	0.00435	6.67%	0.02481	0.00621	0.02558	6.82%	1.71%	7.03%	4.1215	0.00772	4.65%
124.01	1		0.32200														
124.02	3	3	0.39632	0.05313	0.39632	0.05313	0.02169	13.40%	0.05198	0.01550	0.05424	13.12%	3.91%	13.69%	3.4999	0.01883	4.60%
124.05	1		0.35500														
124.99	1		0.21850														
125.00	16	15	4.1315	0.14085	4.1247	0.09539	0.01686	2.31%	0.13353	0.06334	0.14780	3.23%	1.53%	3.58%	2.3333	0.07438	3.23%
125.01	3	3	4.2317	0.18997	4.2317	0.18997	0.07756	4.49%	0.17115	0.11659	0.20709	4.04%	2.76%	4.89%	1.7762	0.13200	3.22%
125.02	2	0															
125.05	4	4	3.9830	0.05847	3.9830	0.05847	0.02067	1.47%	0.02207	0.07658	0.07969	0.55%	1.92%	2.00%	1.0407	0.08450	3.25%
126.00	17	16	0.98669	0.02318	0.98676	0.02408	0.00413	2.44%	0.02129	0.01298	0.02494	2.16%	1.32%	2.53%	1.9207	0.01729	4.01%
126.01	3	3	0.99100	0.04800	0.99100	0.04800	0.01960	4.84%	0.04675	0.01539	0.04922	4.72%	1.55%	4.97%	3.1973	0.02000	4.01%
126.02	2	0															
126.05	4	4	0.97450	0.02956	0.97450	0.02956	0.01045	3.03%	0.01584	0.03529	0.03868	1.63%	3.62%	3.97%	1.0961	0.04150	4.02%
127.00	17	17	0.63206	0.02349	0.63220	0.01890	0.00324	2.99%	0.02211	0.01121	0.02479	3.50%	1.77%	3.92%	2.2119	0.01153	4.29%
127.01	2	0															
127.02	2	0															

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127.05	4	4	0.61138	0.02671	0.61138	0.02671	0.00944	4.37%	0.02159	0.02225	0.03100	3.53%	3.64%	5.07%	1.3933	0.02275	4.31%
128.00	17	16	0.95278	0.04191	0.95325	0.03587	0.00615	3.76%	0.03996	0.01787	0.04378	4.19%	1.88%	4.59%	2.4495	0.01859	4.03%
128.01	2	0															
128.02	2	0															
128.05	4	4	0.92988	0.06081	0.92988	0.06081	0.02150	6.54%	0.05795	0.02606	0.06354	6.23%	2.80%	6.83%	2.4382	0.03275	4.04%
129.00	17	16	1.8807	0.04294	1.8822	0.04561	0.00806	2.42%	0.04161	0.01496	0.04422	2.21%	0.80%	2.35%	2.9564	0.01731	3.64%
129.01	2	0															
129.02	2	0															
129.05	4	4	1.7973	0.04765	1.7973	0.04765	0.01685	2.65%	0.03842	0.03987	0.05537	2.14%	2.22%	3.08%	1.3886	0.05100	3.66%
130.00	19	17	1.3743	0.04606	1.3834	0.04884	0.00792	3.53%	0.04357	0.02113	0.04842	3.17%	1.54%	3.52%	2.2918	0.03274	3.81%
130.01	4	4	1.3606	0.09389	1.3606	0.09389	0.03320	6.90%	0.09126	0.03119	0.09645	6.71%	2.29%	7.09%	3.0918	0.04025	3.82%
130.02	2	0															
130.05	6	5	1.4211	0.02315	1.4134	0.03175	0.00916	2.25%	0.02103	0.01369	0.02509	1.48%	0.96%	1.77%	1.8336	0.01967	3.80%
130.99	1		1.3400														
131.00	17	15	0.35821	0.02168	0.35557	0.00943	0.00167	2.65%	0.02152	0.00370	0.02183	6.01%	1.03%	6.10%	5.9075	0.00495	4.67%
131.01	3	2	0.36050	0.03182	0.38033	0.04106	0.01676	10.80%	0.03181	0.00100	0.03183	8.82%	0.28%	8.83%	31.828	0.04067	4.63%
131.02	3	3	0.34580	0.03608	0.34580	0.03608	0.01473	10.43%	0.03575	0.00693	0.03641	10.34%	2.00%	10.53%	5.2523	0.00913	4.69%
131.05	3	3	0.29767	0.06886	0.29767	0.06886	0.02811	23.13%	0.06871	0.00627	0.06900	23.08%	2.11%	23.18%	11.002	0.00867	4.80%
131.99	1		0.21500														
132.00	17	16	1.1292	0.02392	1.1296	0.02639	0.00467	2.34%	0.02289	0.00985	0.02492	2.03%	0.87%	2.21%	2.5290	0.01250	3.93%
132.01	3	3	1.1477	0.03530	1.1477	0.03530	0.01441	3.08%	0.02872	0.02904	0.04084	2.50%	2.53%	3.56%	1.4064	0.03800	3.92%
132.02	2	0															
132.05	4	4	1.0915	0.04621	1.0915	0.04621	0.01634	4.23%	0.04191	0.02751	0.05013	3.84%	2.52%	4.59%	1.8222	0.03400	3.95%
133.00	16	14	1.2625	0.03062	1.2666	0.03792	0.00692	2.99%	0.02163	0.03066	0.03752	1.71%	2.43%	2.97%	1.2238	0.03007	3.86%
133.05	4	4	1.2265	0.02908	1.2265	0.02908	0.01028	2.37%	0.02214	0.02666	0.03466	1.81%	2.17%	2.83%	1.2998	0.03400	3.88%
133.99	2	0															
134.00	17	15	1.1393	0.06331	1.1434	0.04176	0.00738	3.65%	0.06253	0.01400	0.06408	5.49%	1.23%	5.62%	4.5786	0.01838	3.92%
134.01	3	3	1.1538	0.07503	1.1538	0.07503	0.03063	6.50%	0.07198	0.02991	0.07795	6.24%	2.59%	6.76%	2.6059	0.03900	3.91%
134.02	2	0															
134.05	4	4	1.1191	0.01368	1.1191	0.01368	0.00484	1.22%		0.03244			2.90%			0.03925	3.93%
135.00	17	15	0.89770	0.02383	0.90278	0.02053	0.00363	2.27%	0.02161	0.01421	0.02586	2.41%	1.58%	2.88%	1.8195	0.01894	4.06%
135.01	2	0															
135.02	2	0															
135.05	4	4	0.86163	0.02339	0.86163	0.02339	0.00827	2.71%	0.01967	0.01789	0.02659	2.28%	2.08%	3.09%	1.4861	0.02075	4.09%
136.00	4	4	0.26125	0.05289	0.26125	0.05289	0.01870	20.24%	0.05242	0.00992	0.05335	20.06%	3.80%	20.42%	5.3754	0.01150	4.90%
136.01	4	4	0.26963	0.02868	0.26963	0.02868	0.01014	10.64%	0.02820	0.00742	0.02916	10.46%	2.75%	10.81%	3.9271	0.00725	4.87%
136.02	2	0															
136.03	3	3	0.28750	0.00520	0.28750	0.00520	0.00212	1.81%	0.00348	0.00546	0.00647	1.21%	1.90%	2.25%	1.1853	0.00567	4.83%

Method Code	Total # Labs Submitting	# Labs Included in Calculations	Mean	SD	Assigned Value - Robust Mean	AAFCO CS ftp - 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
136.99	1		0.29000														
137.00	13	11	0.76236	0.04158	0.75390	0.05019	0.01025	6.66%	0.04052	0.01317	0.04261	5.32%	1.73%	5.59%	3.2344	0.01717	4.17%
137.01	2	0															
137.02	2	0															
137.05	4	4	0.65925	0.09785	0.65925	0.09785	0.03459	14.84%	0.09650	0.02291	0.09918	14.64%	3.47%	15.04%	4.3296	0.02600	4.26%
138.00	17	15	1.0787	0.05461	1.0790	0.06251	0.01072	5.79%	0.05364	0.01454	0.05557	4.97%	1.35%	5.15%	3.8231	0.01912	3.95%
138.01	3	3	1.1887	0.07356	1.1887	0.07356	0.03003	6.19%	0.07313	0.01127	0.07399	6.15%	0.95%	6.22%	6.5659	0.01333	3.90%
138.02	2	0															
138.05	4	4	1.0854	0.07586	1.0854	0.07586	0.02682	6.99%	0.07318	0.02824	0.07844	6.74%	2.60%	7.23%	2.7774	0.03275	3.95%
139.00	2	0															
139.02	2	0															
143.00	1		1.4150														
160.99	8	8	0.22988	0.15299	0.22113	0.13903	0.03476	62.87%	0.14433	0.07177	0.16119	62.78%	31.22%	70.12%	2.2458	0.06100	5.02%
161.99	1		0.00000														
162.99	6	5	0.36690	0.41006	0.36690	0.41006	0.12967	111.76%	0.40991	0.01581	0.41021	111.72%	4.31%	111.81%	25.939	0.01420	4.65%
163.99	7	6	1.5603	0.28198	1.4548	0.43071	0.11511	29.61%	0.27974	0.05014	0.28420	17.93%	3.21%	18.21%	5.6685	0.05171	3.78%
164.99	5	4	0.29675	0.32200	0.40740	0.37280	0.11789	91.51%	0.32184	0.01442	0.32216	108.45%	4.86%	108.56%	22.338	0.02960	4.58%
165.99	7	6	3.0188	0.37740	2.9625	0.29757	0.08590	10.04%	0.37623	0.04201	0.37857	12.46%	1.39%	12.54%	9.0119	0.04067	3.40%
166.99	1		0.68400														
167.99	1		2.1625														
400.01	2	0															
400.99	1		0.63890														
516.00	4	4	0.23956	0.08640	0.23956	0.08640	0.03055	36.06%	0.08505	0.02148	0.08772	35.50%	8.97%	36.62%	4.0843	0.02373	19.83%
516.34	1		0.03500														
516.43	2	0															
516.52	1		0.28750														
516.53	5	5	0.23570	0.02401	0.23570	0.02401	0.00759	10.19%	0.02250	0.01183	0.02542	9.55%	5.02%	10.79%	2.1493	0.01620	19.88%
518.34	5	4	0.07563	0.03068	0.10650	0.07397	0.02339	69.46%	0.03067	0.00106	0.03069	40.56%	1.40%	40.58%	28.934	0.00900	22.41%
518.41	4	3	0.06900	0.00700	0.06550	0.00904	0.00320	13.80%	0.00675	0.00261	0.00724	9.78%	3.79%	10.49%	2.7696	0.00975	24.11%
518.43	3	2	0.00000	0.00000	0.02267	0.03926	0.01603	173.21%	0.00000	0.00000	0.00000					0.00780	28.28%
518.52	1		0.07600														
518.53	5	5	0.06072	0.00967	0.06072	0.00967	0.00306	15.93%	0.00895	0.00520	0.01035	14.74%	8.56%	17.04%	1.9908	0.00488	24.39%
520.31	1		2.2380														
520.34	1		10.065														
520.41	3	3	1.5257	0.43655	1.5257	0.43655	0.17822	28.61%	0.43411	0.06519	0.43898	28.45%	4.27%	28.77%	6.7340	0.07833	15.01%
520.42	1		1.8000														
520.43	3	3	1.6190	1.4023	1.6190	1.4023	0.57248	86.61%	1.4011	0.08100	1.4035	86.54%	5.00%	86.69%	17.327	0.08067	14.88%
520.53	2	0															

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520.99	1		3.9200														
526.31	1		0.14300														
526.34	5	5	0.13410	0.05971	0.13410	0.05971	0.01888	44.53%	0.05906	0.01241	0.06035	44.04%	9.26%	45.01%	4.8617	0.01380	21.64%
526.41	2	0															
526.43	3	2	0.00000	0.00000	0.10682	0.18501	0.07553	173.21%	0.00000	0.00000	0.00000					0.03757	22.40%
526.52	1		0.29550														
526.53	5	5	0.32160	0.13393	0.32160	0.13393	0.04235	41.65%	0.12867	0.05259	0.13900	40.01%	16.35%	43.22%	2.6429	0.05480	18.97%
529.00	1		0.00000														
529.99	3	2	0.03575	0.05056	4.6905	8.0623	3.2914	171.89%	0.05028	0.00750	0.05084	140.64%	20.98%	142.20%	6.7781	2.0050	12.68%
539.41	2	0															
539.43	2	0															
539.53	2	0															
600.01	3	3	1.6600	1.0739												0.36667	
600.02	1		3.5000														
600.03	1		0.00000														
600.11	1		1.0000														
600.14	1		0.98000														
600.20	1		0.00000														
610.07	1		572.50														
620.01	1		1,500.0														
620.04	1		1,250.0														
630.01	1		0.90000														
640.01	2	0															
640.05	1		25.000														
650.01	2	0															