

AAFCO Check Sample Program
Method Performance & Summary Report



AAFCO
Check Sample Program



Sample # 201591

Swine Mineral and Vitamin Supplement
Regular Program

Labs Reporting: 196
Issue Date : 12/31/2015

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		0.10000														
001.00	7	6	7.1163	0.72154	7.2059	0.27797	0.08024	3.86%	0.71722	0.11144	0.72583	10.08%	1.57%	10.20%	6.5131	0.12622	2.97%
001.03	11	9	7.7344	0.09396	7.7045	0.09435	0.02110	1.22%	0.09372	0.00943	0.09419	1.21%	0.12%	1.22%	9.9906	0.01200	2.94%
001.05	1		7.5400														
001.07	34	30	7.6070	0.34231	7.6288	0.33436	0.04116	4.38%	0.33727	0.08277	0.34728	4.43%	1.09%	4.57%	4.1956	0.13807	2.95%
001.08	1		7.6700														
001.99	17	14	7.4264	0.58413	7.4926	0.55755	0.09856	7.44%	0.58234	0.06459	0.58591	7.84%	0.87%	7.89%	9.0718	0.08375	2.95%
002.00	4	3	26.852	0.48014	26.852	0.48014	0.27721	1.79%	0.47900	0.04673	0.48127	1.78%	0.17%	1.79%	10.300	0.14250	1.93%
002.01	10	9	26.353	0.51063	26.360	0.56297	0.13269	2.14%	0.50485	0.10836	0.51635	1.92%	0.41%	1.96%	4.7650	0.12233	1.95%
002.02	3	3	26.417	0.31958	26.417	0.31958	0.18451	1.21%	0.31341	0.08841	0.32564	1.19%	0.33%	1.23%	3.6831	0.12443	1.95%
002.04	4	4	26.329	0.72855	26.329	0.72855	0.36428	2.77%	0.71805	0.17432	0.73891	2.73%	0.66%	2.81%	4.2388	0.22250	1.95%
002.05	37	33	26.435	0.29517	26.444	0.28037	0.03351	1.06%	0.28783	0.09252	0.30234	1.09%	0.35%	1.14%	3.2679	0.10540	1.94%
002.06	119	112	27.116	0.28936	27.101	0.26745	0.01748	0.99%	0.26686	0.15819	0.31022	0.98%	0.58%	1.14%	1.9610	0.17007	1.92%
002.08	3	3	26.645	0.24343	26.645	0.24343	0.14055	0.91%	0.17921	0.23299	0.29394	0.67%	0.87%	1.10%	1.2616	0.29567	1.94%
002.10	1		27.030														
002.11	5	5	27.420	1.5601	27.420	1.5601	0.69769	5.69%	1.5574	0.12814	1.5627	5.68%	0.47%	5.70%	12.195	0.14000	1.91%
002.99	3	3	26.273	0.67678	26.273	0.67678	0.39074	2.58%	0.66573	0.17224	0.68765	2.53%	0.66%	2.62%	3.9924	0.19333	1.95%
003.00	13	13	5.8904	1.3490	5.9481	1.4113	0.27679	23.73%	1.3444	0.15665	1.3535	22.82%	2.66%	22.98%	8.6402	0.18421	3.06%
003.01	2	0															
003.06	14	12	4.5747	1.0699	4.4861	0.81816	0.16045	18.24%	1.0679	0.09268	1.0719	23.34%	2.03%	23.43%	11.566	0.13344	3.19%
003.09	24	22	6.8784	1.0188	7.0032	0.72165	0.10640	10.30%	1.0167	0.09182	1.0208	14.78%	1.33%	14.84%	11.118	0.09643	2.98%
003.10	26	23	4.2423	0.82201	4.2603	0.84325	0.11925	19.79%	0.81919	0.09636	0.82483	19.31%	2.27%	19.44%	8.5599	0.12766	3.22%
003.11	5	5	6.0640	0.58454	6.0640	0.58454	0.26142	9.64%	0.57750	0.12798	0.59151	9.52%	2.11%	9.75%	4.6217	0.12000	3.05%
003.12	8	6	3.9600	1.0683	3.5083	0.56075	0.14987	15.98%	1.0683	0.01155	1.0683	26.98%	0.29%	26.98%	92.520	0.02571	3.31%
003.13	7	7	5.1213	1.2565	5.1213	1.4248	0.38081	27.82%	1.2387	0.29825	1.2741	24.19%	5.82%	24.88%	4.2718	0.28400	3.13%
003.14	37	34	4.2227	0.93309	3.9902	0.55826	0.06579	13.99%	0.92918	0.12064	0.93698	22.00%	2.86%	22.19%	7.7665	0.14966	3.25%
003.99	3	3	5.9700	1.9278	5.9700	1.9278	1.1130	32.29%	1.9274	0.05774	1.9282	32.28%	0.97%	32.30%	33.398	0.05333	3.06%
004.00	21	19	5.8134	0.28058	5.8430	0.23402	0.03611	4.01%	0.26763	0.11914	0.29295	4.60%	2.05%	5.04%	2.4589	0.15960	3.07%
004.01	1		6.7000														
004.03	2	0															
004.06	29	25	5.8879	0.38480	5.8621	0.39739	0.05408	6.78%	0.38043	0.08177	0.38912	6.46%	1.39%	6.61%	4.7585	0.09097	3.07%
004.07	55	52	5.6057	0.51635	5.6096	0.58104	0.05540	10.36%	0.49853	0.19018	0.53357	8.89%	3.39%	9.52%	2.8056	0.21326	3.09%

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004.11	5	4	5.2400	0.47019	5.2400	0.47019	0.23510	8.97%	0.46898	0.04770	0.47140	8.95%	0.91%	9.00%	9.8833	0.21400	3.12%
004.99	3	3	5.5517	0.21508	5.5517	0.21508	0.12418	3.87%	0.06468	0.29009	0.29721	1.17%	5.23%	5.35%	1.0246	0.31000	3.09%
005.00	84	79	13.180	0.12475	13.182	0.11451	0.00889	0.87%	0.11903	0.05283	0.13023	0.90%	0.40%	0.99%	2.4649	0.06388	2.71%
005.02	1		13.220														
005.05	34	30	13.260	0.12142	13.262	0.11238	0.01405	0.85%	0.11628	0.04944	0.12635	0.88%	0.37%	0.95%	2.5559	0.05350	2.71%
005.11	5	5	11.405	2.9762	11.405	2.9762	1.3310	26.10%	2.9749	0.12637	2.9775	26.08%	1.11%	26.11%	23.562	0.13800	2.77%
005.99	10	10	13.290	0.17389	13.290	0.19720	0.04409	1.48%	0.16954	0.05468	0.17814	1.28%	0.41%	1.34%	3.2578	0.06400	2.71%
006.00	1		6.7050														
006.01	1		7.4350														
006.99	2	0															
008.02	7	7	7.9036	0.51209	7.9843	0.34309	0.09169	4.30%	0.50505	0.11968	0.51903	6.39%	1.51%	6.57%	4.3369	0.15354	2.93%
008.05	1		7.8500														
008.08	25	25	7.4882	1.0666	7.4824	1.0497	0.14844	14.03%	1.0480	0.28086	1.0850	14.00%	3.75%	14.49%	3.8631	0.30268	2.95%
008.99	1		7.2650														
009.04	1		19.645														
009.07	5	5	19.623	1.7138	19.623	1.7138	0.76642	8.73%	1.7106	0.14640	1.7169	8.72%	0.75%	8.75%	11.728	0.13944	2.26%
009.09	26	23	17.123	1.6871	17.257	1.7814	0.25193	10.32%	1.6770	0.26096	1.6972	9.79%	1.52%	9.91%	6.5035	0.36918	2.41%
009.99	3	3	17.725	2.5691	17.725	2.5691	1.4833	14.49%	2.5592	0.31773	2.5789	14.44%	1.79%	14.55%	8.1167	0.32333	2.38%
010.03	4	4	6.9063	0.31637	6.9063	0.31637	0.15818	4.58%	0.24415	0.28454	0.37493	3.54%	4.12%	5.43%	1.3177	0.36750	2.99%
010.11	5	5	7.6090	0.38510	7.6090	0.38510	0.17222	5.06%	0.38393	0.04254	0.38628	5.05%	0.56%	5.08%	9.0795	0.05000	2.95%
010.99	22	20	7.4128	0.63925	7.4413	0.63883	0.09857	8.58%	0.62551	0.18641	0.65270	8.44%	2.51%	8.81%	3.5014	0.18539	2.96%
011.01	70	64	8.6485	0.43338	8.6672	0.40945	0.03511	4.72%	0.42585	0.11376	0.44079	4.92%	1.32%	5.10%	3.8747	0.14324	2.89%
011.02	2	0															
011.03	1		7.4250														
011.99	4	4	8.7013	0.83343	8.7013	0.83343	0.41672	9.58%	0.83069	0.09546	0.83616	9.55%	1.10%	9.61%	8.7593	0.09750	2.89%
012.00	6	5	9.2940	0.80757	9.3883	0.81624	0.23563	8.69%	0.79996	0.15640	0.81511	8.61%	1.68%	8.77%	5.2118	0.20667	2.86%
012.01	5	5	7.9033	0.71688	7.9033	0.71688	0.32060	9.07%	0.70018	0.21753	0.73319	8.86%	2.75%	9.28%	3.3705	0.26740	2.93%
012.02	1		9.7150														
012.03	3	3	7.7833	0.46044	7.7833	0.46044	0.26584	5.92%	0.45945	0.04282	0.46144	5.90%	0.55%	5.93%	10.777	0.05333	2.94%
012.04	4	4	8.5313	2.5318	8.5313	2.5318	1.2659	29.68%	2.5300	0.13421	2.5336	29.66%	1.57%	29.70%	18.878	0.17250	2.90%
012.11	4	4	8.9438	4.9256	8.9438	4.9256	2.4628	55.07%	4.9234	0.20782	4.9278	55.05%	2.32%	55.10%	23.712	0.23750	2.88%
013.00	16	15	7.6306	1.2992	7.5886	1.3023	0.23021	17.16%	1.2946	0.15428	1.3037	16.97%	2.02%	17.09%	8.4504	0.18456	2.95%
013.02	22	21	9.0002	0.65864	8.8893	0.39425	0.05944	4.44%	0.63682	0.23777	0.67976	7.08%	2.64%	7.55%	2.8589	0.28045	2.88%
013.10	6	5	6.8083	1.3056	6.8083	1.3056	0.41287	19.18%	1.3048	0.06538	1.3064	19.16%	0.96%	19.19%	19.983	0.07814	3.00%
013.12	1		8.8500														
013.13	4	4	7.9870	1.9148	7.9870	1.9148	0.95741	23.97%	1.9143	0.06525	1.9154	23.97%	0.82%	23.98%	29.356	0.07900	2.93%
015.41	5	5	156.94	34.097	156.94	34.097	15.249	21.73%	33.637	7.8953	34.551	21.43%	5.03%	22.02%	4.3762	9.5487	7.47%
015.42	1		237.55														
015.43	4	4	215.59	27.608	215.59	27.608	13.804	12.81%	27.558	2.3510	27.658	12.78%	1.09%	12.83%	11.765	2.4216	7.13%
015.53	1		244.50														
017.41	2	0															
017.42	4	4	20.599	2.0494	20.599	2.0494	1.0247	9.95%	1.9032	1.0753	2.1859	9.24%	5.22%	10.61%	2.0329	1.1582	10.15%
017.43	4	4	20.389	1.1785	20.389	1.1785	0.58926	5.78%	1.1512	0.35686	1.2052	5.65%	1.75%	5.91%	3.3773	0.35050	10.16%

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019.00	18	17	1.9037	0.07294	1.9065	0.07620	0.01307	4.00%	0.07202	0.01639	0.07386	3.78%	0.86%	3.88%	4.5070	0.01615	3.63%
019.02	1		1.7800														
019.03	1		1.9630														
019.08	10	9	1.9195	0.09855	1.8960	0.12048	0.02694	6.35%	0.09394	0.04212	0.10295	4.89%	2.19%	5.36%	2.4443	0.04289	3.63%
019.09	1		1.7585														
019.31	27	24	1.8698	0.09335	1.8822	0.10262	0.01423	5.45%	0.08881	0.04067	0.09768	4.75%	2.18%	5.22%	2.4016	0.05027	3.64%
019.32	4	4	1.9759	0.19249	1.9759	0.19249	0.09624	9.74%	0.19198	0.01978	0.19300	9.72%	1.00%	9.77%	9.7587	0.02080	3.61%
019.33	2	0															
019.41	32	30	1.8900	0.09232	1.8973	0.07803	0.00975	4.11%	0.08676	0.04462	0.09756	4.59%	2.36%	5.16%	2.1866	0.04968	3.63%
019.42	22	19	1.9199	0.08640	1.9151	0.09841	0.01484	5.14%	0.08060	0.04399	0.09183	4.20%	2.29%	4.78%	2.0876	0.06213	3.63%
019.43	18	17	1.9305	0.11216	1.9328	0.08447	0.01408	4.37%	0.10968	0.03317	0.11459	5.68%	1.72%	5.94%	3.4549	0.04050	3.62%
019.44	2	0															
019.52	2	0															
019.53	3	3	1.9500	0.06083	1.9500	0.06083	0.03512	3.12%		0.11431			5.86%		0.14667	3.62%	
019.99	6	5	1.9320	0.42299	1.9320	0.42299	0.13376	21.89%	0.42185	0.04382	0.42412	21.84%	2.27%	21.95%	9.6792	0.04800	3.62%
021.31	6	6	4.7858	1.5848	4.7154	1.6811	0.48528	35.65%	1.5531	0.44536	1.6157	32.45%	9.31%	33.76%	3.6280	0.46833	12.67%
021.32	1		3.0500														
021.34	1		2.9000														
021.41	3	3	2.7928	0.80032	2.7928	0.80032	0.46206	28.66%	0.79946	0.05253	0.80118	28.63%	1.88%	28.69%	15.252	0.06200	13.71%
021.42	3	3	2.2312	0.67746	2.2312	0.67746	0.39113	30.36%	0.67041	0.13780	0.68443	30.05%	6.18%	30.68%	4.9668	0.15257	14.18%
021.43	5	4	3.1175	0.07194	3.1175	0.07194	0.03597	2.31%		0.18848			6.05%		0.20000	13.48%	
021.52	3	3	2.8317	0.29378	2.8317	0.29378	0.16962	10.37%	0.26833	0.16916	0.31720	9.48%	5.97%	11.20%	1.8751	0.15667	13.68%
021.53	6	6	2.8506	0.33148	2.8957	0.09816	0.02834	3.39%	0.31864	0.12922	0.34384	11.18%	4.53%	12.06%	2.6608	0.17312	13.63%
022.31	21	19	434.69	13.905	435.29	11.091	1.7537	2.55%	13.552	4.4018	14.249	3.12%	1.01%	3.28%	3.2372	5.2811	6.41%
022.32	5	4	459.61	16.521	459.61	16.521	8.2606	3.59%	15.036	9.6809	17.883	3.27%	2.11%	3.89%	1.8473	11.178	6.36%
022.33	4	4	452.47	18.280	452.47	18.280	9.1401	4.04%	18.158	2.9856	18.402	4.01%	0.66%	4.07%	6.1634	2.9375	6.37%
022.35	1		946.50														
022.41	29	26	427.67	43.460	429.03	41.047	5.4851	9.57%	42.991	9.0097	43.925	10.05%	2.11%	10.27%	4.8752	10.468	6.42%
022.42	22	20	450.56	22.176	450.08	22.660	3.5828	5.03%	20.844	10.705	23.432	4.63%	2.38%	5.20%	2.1890	10.953	6.38%
022.43	21	19	447.55	27.030	447.14	26.914	4.2554	6.02%	26.702	5.9337	27.354	5.97%	1.33%	6.11%	4.6099	7.4265	6.38%
022.44	1		455.00														
022.52	2	0															
022.53	4	3	448.67	3.4034	448.67	3.4034	1.9650	0.76%		23.202			5.17%		23.250	6.38%	
022.99	2	0															
023.01	1		71.250														
024.03	2	0															
024.53	1		31.800														
024.99	2	0															
025.31	17	14	670.69	29.153	669.53	28.514	5.0406	4.26%	28.263	10.109	30.016	4.21%	1.51%	4.48%	2.9691	13.350	6.01%
025.32	3	2	742.09	29.992	742.09	29.992	21.208	4.04%	29.877	3.7093	30.106	4.03%	0.50%	4.06%	8.1164	23.557	5.92%
025.33	2	0															
025.34	1		700.00														
025.41	29	26	633.66	54.892	644.78	43.337	5.6904	6.72%	53.359	18.221	56.384	8.42%	2.88%	8.90%	3.0944	25.101	6.04%

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025.42	17	15	549.26	178.75	559.36	145.55	24.961	26.02%	177.58	28.867	179.91	32.33%	5.26%	32.76%	6.2326	33.996	6.17%	
025.43	16	15	639.93	71.579	630.87	62.625	11.071	9.93%	69.902	21.785	73.218	10.92%	3.40%	11.44%	3.3610	22.248	6.06%	
025.52	3	3	572.78	47.192	572.78	47.192	27.246	8.24%	38.020	39.536	54.850	6.64%	6.90%	9.58%	1.3874	50.673	6.15%	
025.53	2	0																
025.99	2	0																
027.31	22	19	0.46169	0.03890	0.46669	0.02539	0.00392	5.44%	0.03868	0.00580	0.03912	8.38%	1.26%	8.47%	6.7434	0.00740	4.49%	
027.32	5	5	0.47147	0.02340	0.47147	0.02340	0.01047	4.96%	0.02320	0.00435	0.02360	4.92%	0.92%	5.01%	5.4288	0.00478	4.48%	
027.33	2	0																
027.41	31	28	0.46999	0.02599	0.46784	0.02860	0.00363	6.11%	0.02525	0.00873	0.02671	5.37%	1.86%	5.68%	3.0614	0.01056	4.48%	
027.42	21	20	0.48587	0.02767	0.48534	0.02400	0.00380	4.95%	0.02670	0.01025	0.02860	5.50%	2.11%	5.89%	2.7904	0.01074	4.46%	
027.43	18	16	0.48234	0.02924	0.48687	0.03157	0.00542	6.49%	0.02846	0.00945	0.02999	5.90%	1.96%	6.22%	3.1744	0.01699	4.46%	
027.44	2	0																
027.52	2	0																
027.53	3	3	0.48683	0.01241	0.48683	0.01241	0.00717	2.55%		0.01771			3.64%			0.02033	4.46%	
027.99	3	3	0.41500	0.14080	0.41500	0.14080	0.08129	33.93%	0.14065	0.00913	0.14095	33.89%	2.20%	33.96%	15.440	0.01000	4.57%	
028.31	21	19	762.26	47.648	768.25	27.834	4.4010	3.62%	47.168	9.5399	48.123	6.19%	1.25%	6.31%	5.0444	10.439	5.89%	
028.32	5	4	764.91	45.968	764.91	45.968	22.984	6.01%	45.933	2.5193	46.002	6.01%	0.33%	6.01%	18.260	13.806	5.89%	
028.33	2	0																
028.41	28	25	747.77	57.042	755.08	35.968	4.8946	4.76%	55.777	16.896	58.280	7.46%	2.26%	7.79%	3.4493	19.995	5.90%	
028.42	22	20	775.93	41.483	777.47	46.025	7.1018	5.92%	40.216	14.388	42.712	5.18%	1.85%	5.50%	2.9686	16.700	5.87%	
028.43	18	17	775.28	61.101	776.11	62.324	10.688	8.03%	59.349	20.544	62.804	7.66%	2.65%	8.10%	3.0570	21.817	5.88%	
028.44	2	0																
028.52	2	0																
028.53	3	3	792.00	42.332	792.00	42.332	24.440	5.34%	36.733	29.755	47.272	4.64%	3.76%	5.97%	1.5887	40.000	5.86%	
028.99	2	0																
031.00	2	0																
031.01	49	44	1.5565	0.10912	1.5717	0.06391	0.00652	4.07%	0.10857	0.01547	0.10967	6.98%	0.99%	7.05%	7.0896	0.02099	3.74%	
031.02	3	3	1.6172	0.02057	1.6172	0.02057	0.01187	1.27%		0.03368			2.08%			0.03413	3.72%	
031.03	4	4	1.5001	0.22328	1.5001	0.22328	0.11164	14.88%	0.22258	0.02498	0.22398	14.84%	1.67%	14.93%	8.9651	0.02478	3.76%	
031.06	2	0																
031.41	32	30	1.5858	0.07361	1.5876	0.05207	0.00661	3.28%	0.06883	0.03694	0.07811	4.34%	2.33%	4.93%	2.1147	0.03960	3.73%	
031.42	22	21	1.5706	0.05923	1.5667	0.06687	0.01008	4.27%	0.04627	0.05230	0.06982	2.95%	3.33%	4.45%	1.3351	0.06008	3.74%	
031.43	18	17	1.6316	0.04936	1.6263	0.05993	0.00999	3.69%	0.04241	0.03571	0.05544	2.60%	2.19%	3.40%	1.5527	0.03794	3.72%	
031.44	2	0																
031.53	3	3	1.4467	0.43653	1.4467	0.43653	0.25203	30.17%	0.43534	0.04547	0.43771	30.09%	3.14%	30.26%	9.6268	0.06067	3.78%	
031.99	6	5	1.6220	0.07863	1.5852	0.12975	0.03746	8.19%	0.07611	0.02793	0.08107	4.69%	1.72%	5.00%	2.9028	0.03000	3.73%	
032.02	3	2	2.3675	0.00354	2.3675	0.00354	0.00250	0.15%		0.04610			1.95%			0.05667	3.51%	
032.08	1		2.2315															
032.31	22	21	2.1189	0.32737	2.1617	0.24549	0.03701	11.36%	0.32593	0.04340	0.32880	15.38%	2.05%	15.52%	7.5761	0.04637	3.56%	
032.32	4	4	2.2339	0.13947	2.2339	0.13947	0.06974	6.24%	0.13171	0.06490	0.14683	5.90%	2.91%	6.57%	2.2625	0.07448	3.54%	
032.41	32	30	2.2368	0.16658	2.2359	0.13511	0.01716	6.04%	0.16363	0.04415	0.16948	7.32%	1.97%	7.58%	3.8386	0.04384	3.54%	
032.42	22	22	2.2752	0.10353	2.2790	0.10285	0.01550	4.51%	0.09568	0.05593	0.11082	4.21%	2.46%	4.87%	1.9816	0.06000	3.53%	
032.43	19	18	2.3047	0.11532	2.3017	0.08341	0.01353	3.62%	0.10820	0.05641	0.12202	4.69%	2.45%	5.29%	2.1632	0.05673	3.53%	

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
032.44	2	0															
032.52	1		2.3780														
032.53	3	3	2.3350	0.10037	2.3350	0.10037	0.05795	4.30%	0.08888	0.06595	0.11068	3.81%	2.82%	4.74%	1.6781	0.09000	3.52%
032.99	4	4	2.1691	0.31338	2.1691	0.31338	0.15669	14.45%	0.30727	0.08707	0.31937	14.17%	4.01%	14.72%	3.6680	0.09325	3.56%
033.00	17	14	2.3439	0.12458	2.3338	0.11985	0.02119	5.14%	0.12243	0.03258	0.12669	5.22%	1.39%	5.41%	3.8889	0.03468	3.52%
033.01	21	20	2.4305	0.05080	2.4218	0.03110	0.00480	1.28%	0.04813	0.02297	0.05333	1.98%	0.95%	2.19%	2.3214	0.02447	3.50%
033.03	3	1	2.1300		2.1300					0.00000			0.00%		0.00333	3.57%	
033.05	2	0															
033.99	6	5	2.2350	0.11538	2.1895	0.17216	0.04970	7.86%	0.10962	0.05089	0.12086	4.90%	2.28%	5.41%	2.3749	0.04500	3.55%
034.01	3	3	3.9440	0.22319	3.9440	0.22319	0.12886	5.66%	0.21778	0.06906	0.22847	5.52%	1.75%	5.79%	3.3082	0.09200	13.01%
034.04	6	6	3.8767	0.39035	3.9450	0.26636	0.07689	6.75%	0.38514	0.08991	0.39550	9.93%	2.32%	10.20%	4.3989	0.11000	13.01%
034.41	1		3.7000														
034.42	2	0															
034.43	1		3.5100														
034.52	4	4	4.1225	0.09979	4.1225	0.09979	0.04990	2.42%		0.14160			3.43%		0.16500	12.93%	
034.53	7	6	4.7003	0.64022	4.7003	0.72601	0.20958	15.45%	0.61994	0.22608	0.65988	13.19%	4.81%	14.04%	2.9188	0.27562	12.67%
034.99	4	4	3.3500	1.7400	3.3500	1.7400	0.87002	51.94%	1.7365	0.15772	1.7436	51.83%	4.71%	52.05%	11.055	0.18500	13.34%
035.01	2	0															
035.05	3	3	0.45000	0.02291	0.45000	0.02291	0.01323	5.09%	0.01936	0.01732	0.02598	4.30%	3.85%	5.77%	1.5000	0.02000	4.51%
035.31	19	18	0.41469	0.03231	0.40919	0.03152	0.00511	7.70%	0.03079	0.01384	0.03376	7.43%	3.34%	8.14%	2.4395	0.01346	4.58%
035.32	4	4	0.38161	0.04843	0.38161	0.04843	0.02421	12.69%	0.04810	0.00795	0.04875	12.61%	2.08%	12.78%	6.1363	0.00823	4.62%
035.41	27	24	0.40838	0.01892	0.40986	0.02465	0.00335	6.01%	0.01715	0.01130	0.02054	4.20%	2.77%	5.03%	1.8172	0.01274	4.57%
035.42	15	14	0.41215	0.01637	0.41084	0.01836	0.00335	4.47%	0.01512	0.00885	0.01752	3.67%	2.15%	4.25%	1.9792	0.01171	4.57%
035.43	13	11	0.39981	0.03299	0.40139	0.02519	0.00514	6.28%	0.03275	0.00568	0.03324	8.19%	1.42%	8.31%	5.8533	0.00690	4.59%
035.52	1		0.41600														
035.53	3	3	0.43433	0.04443	0.43433	0.04443	0.02565	10.23%	0.04241	0.01873	0.04636	9.77%	4.31%	10.67%	2.4759	0.02267	4.53%
035.99	4	4	0.70625	0.38069	0.70625	0.38069	0.19034	53.90%	0.38048	0.01768	0.38089	53.87%	2.50%	53.93%	21.547	0.02250	4.21%
036.04	4	4	0.56196	0.01827	0.56196	0.01827	0.00914	3.25%	0.01779	0.00587	0.01874	3.17%	1.04%	3.33%	3.1924	0.00628	4.36%
036.42	22	20	0.57036	0.02539	0.56817	0.02926	0.00451	5.15%	0.02353	0.01347	0.02711	4.13%	2.36%	4.75%	2.0132	0.01670	4.35%
036.43	8	8	0.59668	0.03348	0.59668	0.03797	0.00949	6.36%	0.03293	0.00855	0.03402	5.52%	1.43%	5.70%	3.9811	0.00948	4.32%
036.53	1		0.58500														
036.99	2	0															
037.31	23	21	1,311.1	57.974	1,308.5	58.567	8.6353	4.48%	56.603	17.726	59.314	4.32%	1.35%	4.52%	3.3462	21.881	5.43%
037.32	5	5	1,256.6	173.16	1,256.6	173.16	77.440	13.78%	171.89	29.563	174.42	13.68%	2.35%	13.88%	5.8998	27.258	5.47%
037.33	4	4	1,288.7	89.699	1,288.7	89.699	44.849	6.96%	88.969	16.148	90.423	6.90%	1.25%	7.02%	5.5997	19.000	5.44%
037.41	30	26	1,295.0	106.38	1,308.3	76.717	10.073	5.86%	104.52	28.015	108.21	8.07%	2.16%	8.36%	3.8625	36.492	5.43%
037.42	22	21	1,332.8	89.334	1,322.9	79.153	12.214	5.98%	86.796	29.901	91.802	6.51%	2.24%	6.89%	3.0702	29.400	5.42%
037.43	19	18	1,317.2	87.751	1,307.0	68.728	11.149	5.26%	85.154	29.966	90.273	6.47%	2.28%	6.85%	3.0125	38.842	5.43%
037.44	1		1,330.0														
037.52	2	0															
037.53	3	3	1,406.7	156.87	1,406.7	156.87	90.569	11.15%	149.08	69.041	164.29	10.60%	4.91%	11.68%	2.3796	86.667	5.37%
037.99	3	3	1,279.0	116.36	1,279.0	116.36	67.179	9.10%	115.48	20.207	117.23	9.03%	1.58%	9.17%	5.8015	23.333	5.45%
038.41	1		1.9955														

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038.42	3	3	2.0483	0.02759	2.0483	0.02759	0.01593	1.35%		0.20865			10.19%			0.25927	14.36%
038.43	4	4	2.0890	0.25120	2.0890	0.25120	0.12560	12.02%	0.24076	0.10136	0.26122	11.53%	4.85%	12.50%	2.5773	0.12200	14.32%
038.52	1		2.2500														
038.53	5	5	1.9670	0.50205	1.9670	0.50205	0.22452	25.52%	0.49593	0.11051	0.50810	25.21%	5.62%	25.83%	4.5978	0.13942	14.45%
040.42	1		27.520														
040.43	2	0															
040.52	1		27.000														
040.53	1		26.122														
041.52	1		2.1500														
041.53	2	0															
042.99	1		1.3200														
057.01	2																
101.00	1		632.84														
101.01	2	0															
101.02	1		2,050.0														
101.99	1		2,045.0														
102.01	2	0															
102.02	2	0															
103.01	2	0															
103.02	2	0															
104.00	2	0															
104.03	4	4	86.693	40.923	86.693	40.923	20.462	47.20%	40.007	12.177	41.819	46.15%	14.05%	48.24%	3.4342	11.645	8.17%
105.00	6	5	53.700	11.772	53.700	11.772	3.7227	21.92%	11.735	1.3205	11.809	21.85%	2.46%	21.99%	8.9430	1.6276	8.78%
105.01	1		73.400														
106.00	1		102.09														
106.01	2	0															
106.02	23	21	55.489	24.192	51.730	16.012	2.4139	30.95%	23.941	4.9200	24.441	43.15%	8.87%	44.05%	4.9677	36.332	
107.00	1		201.50														
107.99	1		212.10														
108.01	1		12.500														
108.02	5	3	2.2533	0.45391	2.2533	0.45391	0.26206	20.14%	0.43520	0.18239	0.47188	19.31%	8.09%	20.94%	2.5872	0.45400	
108.99	1		9.1750														
109.02	19	17	800.27	129.22	789.81	104.92	17.487	13.28%	124.63	48.304	133.66	15.57%	6.04%	16.70%	2.7671	52.018	
109.99	1		763.00														
112.00	1		10.850														
112.01	1		31.105														
113.01	2	0															
114.01	2	0															
114.99	1		7.9600														
120.00	11	9	1.1968	0.01614	1.1926	0.01210	0.00271	1.01%	0.01251	0.01443	0.01910	1.05%	1.21%	1.60%	1.3234	0.01670	3.90%
120.02	2	0															
120.05	2	0															
121.00	11	10	1.7691	0.06316	1.7822	0.07384	0.01574	4.14%	0.06208	0.01642	0.06422	3.51%	0.93%	3.63%	3.9115	0.02053	3.67%

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121.02	2	0															
121.05	2	0															
122.00	11	11	2.6141	0.09182	2.6245	0.08256	0.01760	3.15%	0.09048	0.02212	0.09314	3.46%	0.85%	3.56%	4.2106	0.02622	3.46%
122.02	2	0															
122.05	2	0															
124.00	11	11	0.39910	0.01819	0.39946	0.01882	0.00401	4.71%	0.01693	0.00942	0.01937	4.24%	2.36%	4.85%	2.0566	0.01037	4.59%
124.01	1		0.41900														
124.02	2	0															
124.05	1		0.36000														
125.00	11	11	4.6445	0.21408	4.6383	0.10945	0.02333	2.36%	0.21278	0.03330	0.21537	4.58%	0.72%	4.64%	6.4684	0.04158	3.17%
125.02	2	0															
125.05	2	0															
126.00	11	11	1.1495	0.04846	1.1485	0.03716	0.00792	3.24%	0.04749	0.01367	0.04942	4.13%	1.19%	4.30%	3.6142	0.01733	3.92%
126.02	2	0															
126.05	2	0															
127.00	11	11	0.67295	0.05063	0.66464	0.02970	0.00633	4.47%	0.05008	0.01054	0.05118	7.44%	1.57%	7.60%	4.8566	0.01191	4.25%
127.02	2	0															
127.05	2	0															
128.00	10	9	1.0456	0.05896	1.0532	0.04429	0.00990	4.21%	0.05756	0.01803	0.06032	5.50%	1.72%	5.77%	3.3455	0.02616	3.97%
128.02	2	0															
128.05	2	0															
129.00	11	10	1.9169	0.06549	1.9209	0.06533	0.01461	3.40%	0.06483	0.01311	0.06615	3.38%	0.68%	3.45%	5.0441	0.01585	3.63%
129.02	2	0															
129.05	2	0															
130.00	13	11	2.1784	0.09276	2.1621	0.11861	0.02421	5.49%	0.09142	0.02227	0.09409	4.20%	1.02%	4.32%	4.2242	0.02606	3.56%
130.01	1		2.2500														
130.02	2	0															
130.05	3	3	2.2410	0.04123	2.2410	0.04123	0.02380	1.84%	0.00763	0.05730	0.05780	0.34%	2.56%	2.58%	1.0088	0.07867	3.54%
130.99	1		1.4500														
131.00	12	12	0.31259	0.03363	0.31485	0.03201	0.00653	10.17%	0.03333	0.00636	0.03393	10.66%	2.04%	10.85%	5.3318	0.00712	4.76%
131.02	2	0															
131.05	1		0.35500														
131.99	1		0.20500														
132.00	11	11	1.2041	0.03456	1.2114	0.02191	0.00467	1.81%	0.03162	0.01973	0.03727	2.63%	1.64%	3.10%	1.8890	0.02356	3.89%
132.02	2	0															
132.05	2	0															
133.00	11	10	1.3754	0.07459	1.3754	0.08459	0.01892	6.15%	0.07391	0.01426	0.07527	5.37%	1.04%	5.47%	5.2792	0.01683	3.81%
133.05	2	0															
133.99	1		1.5000														
134.00	11	10	1.2403	0.05858	1.2281	0.07324	0.01561	5.96%	0.05659	0.02142	0.06051	4.56%	1.73%	4.88%	2.8253	0.02659	3.88%
134.02	2	0															
134.05	2	0															
135.00	11	10	0.94320	0.03570	0.95032	0.04599	0.00981	4.84%	0.03506	0.00951	0.03632	3.72%	1.01%	3.85%	3.8215	0.01155	4.03%

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135.02	2	0															
135.05	2	0															
135.99	1		0.75000														
136.00	3	3	0.34403	0.05136	0.34403	0.05136	0.02965	14.93%	0.05089	0.00981	0.05183	14.79%	2.85%	15.06%	5.2802	0.01200	4.70%
136.01	2	0															
136.02	2	0															
136.03	3	2	0.33150	0.00000	0.33150	0.00000	0.00000	0.00%		0.00430			1.30%		0.00433	4.72%	
136.99	1		0.27500														
137.00	7	6	0.83050	0.05809	0.82695	0.05911	0.01706	7.15%	0.05748	0.01190	0.05870	6.92%	1.43%	7.07%	4.9311	0.01353	4.12%
137.02	2	0															
137.05	2	0															
138.00	10	10	1.1919	0.05987	1.1969	0.03864	0.00864	3.23%	0.05672	0.02710	0.06286	4.76%	2.27%	5.27%	2.3196	0.02811	3.89%
138.02	2	0															
138.05	2	0															
139.00	1		0.10000														
139.02	1		0.00000														
140.01	1		0.80650														
160.99	5	5	0.59920	0.50057	0.59920	0.50057	0.22386	83.54%	0.49983	0.03834	0.50130	83.42%	6.40%	83.66%	13.077	0.04080	4.32%
162.99	4	0														0.06500	
163.99	2																
164.99	1		0.00000														
165.99	5	4	3.9730	0.21548	3.9730	0.21548	0.10774	5.42%	0.15693	0.20884	0.26123	3.95%	5.26%	6.58%	1.2509	0.18800	3.25%
166.99	1		0.77150														
167.99	1		3.8800														
400.01	4	4	0.47208	0.01613	0.47208	0.01613	0.00806	3.42%	0.01581	0.00452	0.01644	3.35%	0.96%	3.48%	3.6366	0.00565	
400.99	1		0.50600														
516.52	1		0.35900														
516.53	5	5	0.38947	0.09412	0.38947	0.09412	0.04209	24.17%	0.09102	0.03387	0.09712	23.37%	8.70%	24.94%	2.8670	0.03422	18.44%
518.41	3	3	0.13100	0.02755	0.13100	0.02755	0.01591	21.03%	0.02719	0.00634	0.02792	20.75%	4.84%	21.31%	4.4048	0.00633	21.72%
518.52	1		0.15500														
518.53	5	5	0.15160	0.00658	0.15160	0.00658	0.00294	4.34%		0.01454			9.59%		0.01780	21.25%	
520.41	2	0															
520.43	2	0															
520.52	1		4.9000														
520.53	4	4	6.9654	1.3644	6.9654	1.3644	0.68220	19.59%	1.3526	0.25286	1.3761	19.42%	3.63%	19.76%	5.4419	0.32988	11.94%
520.99	1		2.8620														
526.31	1		0.19000														
526.41	1		0.21150														
526.52	1		0.28000														
526.53	5	5	0.20606	0.01672	0.20606	0.01672	0.00748	8.12%	0.01414	0.01262	0.01896	6.86%	6.13%	9.20%	1.5017	0.01180	20.29%
529.99	2																
539.41	1		6.9378														
539.43	2	0															

Method Code	Total # Labs Submitting	# Labs in Method Precision Calcs	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
539.52	1		7.1000														
539.53	3	3	7.6617	0.82690	7.6617	0.82690	0.47741	10.79%	0.79195	0.33640	0.86043	10.34%	4.39%	11.23%	2.5578	0.38370	11.77%
600.12	1		2.0000														