

# AAFCO Check Sample Program

All Methods Report

Sort by Method

Proficiency For Individual Methods

Sample # 201397

Swine Nursery Vitamin/Mineral Premix, medicated



# AAFCO

## Check Sample Program

Method Code	Total # Labs Submitting	# Labs Included in Calculations	Mean	SD	Assigned Value - Robust Mean	AAFCO CS ffp - Robust sd	Uncertainty (U) - Robust	% RSD - Robust	Between Labs sL	Within Labs sI	Reproducibility sR	Between Labs %RSD	Within Labs %srd	Reproducibility %RSD	sR/sr	Average Range (R-bar)	Horwitz %RSD
001.00	3	3	5.5050	0.49540	5.5050	0.49540	0.20225	9.00%	0.49489	0.03189	0.49592	8.99%	0.58%	9.01%	15.553	0.04333	3.09%
001.03	5	5	5.7420	0.13855	5.7420	0.13855	0.04381	2.41%	0.13826	0.01265	0.13883	2.41%	0.22%	2.42%	10.976	0.01600	3.07%
001.05	1		5.7300														
001.07	17	15	5.6762	0.20106	5.7004	0.24623	0.04353	4.32%	0.19865	0.04394	0.20345	3.50%	0.77%	3.58%	4.6300	0.05781	3.08%
001.08	2	0															
001.99	7	7	5.9084	0.73418	5.8041	0.58145	0.15540	10.02%	0.73059	0.10254	0.73775	12.37%	1.74%	12.49%	7.1949	0.11914	3.07%
002.01	3	2	5.1025	0.00354	5.0517	0.08808	0.03596	1.74%		0.10112			1.98%			0.09667	3.13%
002.02	2	0															
002.04	2	0															
002.05	10	7	5.0092	0.11157	5.0890	0.21132	0.04981	4.15%	0.10963	0.02926	0.11347	2.19%	0.58%	2.27%	3.8786	0.06017	3.13%
002.06	33	30	5.4955	0.23432	5.5197	0.27099	0.03387	4.91%	0.22844	0.07379	0.24006	4.16%	1.34%	4.37%	3.2534	0.08020	3.09%
002.99	2	0															
003.00	4	4	1.9065	0.75306	1.9065	0.75306	0.26625	39.50%	0.74772	0.12665	0.75837	39.22%	6.64%	39.78%	5.9878	0.14450	3.63%
003.01	1		2.4750														
003.06	3	3	1.7517	0.25250	1.7517	0.25250	0.10308	14.42%	0.24937	0.05612	0.25560	14.24%	3.20%	14.59%	4.5542	0.07667	3.68%
003.09	1		1.5500														
003.10	5	5	1.6990	0.27689	1.6990	0.27689	0.08756	16.30%	0.26190	0.12708	0.29111	15.42%	7.48%	17.13%	2.2907	0.15400	3.69%
003.12	4	4	2.0600	0.28021	2.0600	0.28021	0.09907	13.60%	0.27889	0.03841	0.28152	13.54%	1.86%	13.67%	7.3302	0.04000	3.59%
003.13	1		1.2950														
003.14	7	7	1.5771	0.25076	1.5771	0.28437	0.07600	18.03%	0.24004	0.10261	0.26105	15.22%	6.51%	16.55%	2.5441	0.09429	3.73%
003.99	2	0															
004.00	7	6	13.434	1.5940	13.434	1.8076	0.52181	13.45%	1.5871	0.20927	1.6009	11.81%	1.56%	11.92%	7.6497	0.24050	2.71%
004.03	1		24.040														
004.06	8	6	13.062	1.7907	12.481	2.3893	0.63858	19.14%	1.7895	0.09533	1.7920	13.70%	0.73%	13.72%	18.797	0.08826	2.74%
004.07	8	5	14.321	1.6366	13.388	1.1496	0.30725	8.59%	1.6215	0.31351	1.6515	11.32%	2.19%	11.53%	5.2678	0.51286	2.71%
004.99	1		11.785														
005.00	45	41	56.285	1.1231	56.456	0.68583	0.07395	1.21%	1.1100	0.24172	1.1360	1.97%	0.43%	2.02%	4.6998	0.26733	2.18%

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
005.02	1		57.045														
005.05	15	14	56.606	0.47510	56.589	0.35628	0.06505	0.63%	0.46491	0.13837	0.48507	0.82%	0.24%	0.86%	3.5056	0.16850	2.18%
005.99	7	4	56.671	0.31433	56.579	0.41177	0.11887	0.73%	0.31141	0.06052	0.31723	0.55%	0.11%	0.56%	5.2419	0.09667	2.18%
006.99	3	3	2.0333	3.3501	2.0333	3.3501	1.3677	164.76%	3.3484	0.15406	3.3519	164.67%	7.58%	164.85%	21.758	0.17333	3.59%
008.02	2	0															
008.05	1		14.650														
008.08	6	6	16.591	1.2204	16.530	1.2599	0.36369	7.62%	1.1899	0.38303	1.2501	7.17%	2.31%	7.53%	3.2637	0.48833	2.62%
009.04	1		15.950														
009.07	1		18.140														
009.09	6	4	16.625	0.57518	19.286	5.9710	1.8882	30.96%	0.52639	0.32787	0.62015	3.17%	1.97%	3.73%	1.8914	0.45200	2.56%
010.03	1		6.3000														
010.99	8	7	5.5488	0.28264	5.5859	0.24185	0.06464	4.33%	0.28072	0.04646	0.28454	5.06%	0.84%	5.13%	6.1239	0.05741	3.09%
011.01	25	22	6.3362	0.24922	6.3368	0.24928	0.03675	3.93%	0.24744	0.04213	0.25100	3.91%	0.66%	3.96%	5.9581	0.05259	3.03%
011.02	2	0															
011.99	4	3	6.4433	0.17409	6.1575	0.58907	0.20827	9.57%	0.16439	0.08103	0.18328	2.55%	1.26%	2.84%	2.2617	0.35000	3.04%
012.00	2	0															
012.01	2	0															
012.03	1		1.4950														
012.04	1		1.1000														
013.00	5	4	2.8363	1.8504	3.0880	1.6985	0.53710	55.00%	1.8503	0.02151	1.8504	65.24%	0.76%	65.24%	86.043	0.04800	3.38%
013.02	6	6	2.5992	1.5975	2.3963	1.4351	0.41428	59.89%	1.5967	0.07455	1.5984	61.43%	2.87%	61.50%	21.440	0.08167	3.51%
013.10	2	0															
013.13	1		3.3500														
015.41	2	0															
015.42	1		407.50														
015.43	4	4	427.53	89.698	427.53	89.698	31.713	20.98%	87.519	27.787	91.825	20.47%	6.50%	21.48%	3.3046	31.250	6.43%
015.52	2	0															
015.53	1		507.00														
017.41	1		5.0600														
017.42	1		6.7300														
017.43	4	4	44.605	30.326	44.605	30.326	10.722	67.99%	30.324	0.43180	30.327	67.98%	0.97%	67.99%	70.235	0.43500	9.03%
019.00	19	18	15.367	0.18197	15.349	0.17126	0.02854	1.12%	0.16288	0.11472	0.19923	1.06%	0.75%	1.30%	1.7366	0.11450	2.65%
019.03	1		15.639														
019.08	8	8	16.098	0.89645	16.098	1.0166	0.25414	6.31%	0.89032	0.14794	0.90253	5.53%	0.92%	5.61%	6.1005	0.17153	2.63%
019.31	27	25	14.781	1.7372	14.994	0.73518	0.10005	4.90%	1.7241	0.30161	1.7502	11.66%	2.04%	11.84%	5.8030	0.33519	2.66%
019.32	9	7	15.655	0.55804	15.560	0.56920	0.14230	3.66%	0.55333	0.10240	0.56272	3.53%	0.65%	3.59%	5.4952	0.17438	2.65%
019.33	1		13.910														
019.41	26	24	15.225	1.6853	15.423	0.84677	0.11975	5.49%	1.6717	0.30239	1.6988	10.98%	1.99%	11.16%	5.6180	0.32362	2.65%

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019.42	17	15	15.298	0.64973	15.421	0.61745	0.10915	4.00%	0.60025	0.35172	0.69570	3.92%	2.30%	4.55%	1.9780	0.41184	2.65%
019.43	19	17	15.536	1.0462	15.503	1.0164	0.16940	6.56%	1.0420	0.13195	1.0504	6.71%	0.85%	6.76%	7.9604	0.20011	2.65%
019.44	1		15.900														
019.52	1		17.150														
019.53	4	4	15.044	0.34310	15.044	0.34310	0.12130	2.28%	0.28892	0.26169	0.38982	1.92%	1.74%	2.59%	1.4896	0.31535	2.66%
019.99	2	0															
021.31	3	3	17.532	8.3446	17.532	8.3446	3.4067	47.60%	8.3439	0.15519	8.3453	47.59%	0.89%	47.60%	53.776	0.17000	10.40%
021.41	1		12.502														
021.42	3	3	12.693	1.6767	12.693	1.6767	0.68452	13.21%	1.6720	0.17795	1.6814	13.17%	1.40%	13.25%	9.4489	0.19333	10.91%
021.43	4	3	13.290	0.26514	12.205	2.1808	0.77102	17.87%	0.25000	0.12490	0.27946	1.88%	0.94%	2.10%	2.2375	0.14000	10.98%
021.52	3	3	13.717	1.3898	13.717	1.3898	0.56740	10.13%	1.3352	0.54588	1.4424	9.73%	3.98%	10.52%	2.6424	0.56300	10.79%
021.53	1		14.250														
022.31	20	16	23,111	2,649.3	23,150	1,067.6	173.19	4.61%	2,643.8	241.24	2,654.8	11.44%	1.04%	11.49%	11.005	322.00	3.53%
022.32	10	7	24,178	400.78	24,179	506.84	119.46	2.10%	380.96	176.05	419.67	1.58%	0.73%	1.74%	2.3839	274.10	3.50%
022.33	3	2	11,432	16,135	15,488	13,398	5,469.8	86.51%	16,135	34.173	16,135	141.13%	0.30%	141.13%	472.14	529.57	3.74%
022.41	24	21	23,034	2,815.8	23,410	1,452.1	214.10	6.20%	2,808.2	292.25	2,823.3	12.19%	1.27%	12.26%	9.6606	331.44	3.52%
022.42	18	17	23,901	1,506.1	23,830	1,534.1	263.09	6.44%	1,393.3	808.75	1,611.0	5.83%	3.38%	6.74%	1.9919	879.93	3.51%
022.43	20	17	21,448	5,944.8	23,023	2,051.2	332.75	8.91%	5,939.2	365.36	5,950.4	27.69%	1.70%	27.74%	16.286	489.53	3.53%
022.44	1		25,800														
022.52	1		2,5000														
022.53	4	4	23,644	173.54	23,644	173.54	61.356	0.73%		512.67			2.17%		691.25	3.51%	
023.01	1		0.00110														
024.99	4	3	96.158	49.295	100.27	41.080	14.524	40.97%	49.251	2.9566	49.339	51.22%	3.07%	51.31%	16.688	9.3675	8.00%
025.31	19	16	15,356	1,192.1	15,001	819.93	136.66	5.47%	1,163.0	370.10	1,220.5	7.57%	2.41%	7.95%	3.2977	347.42	3.76%
025.32	9	7	15,242	790.23	15,569	523.23	130.81	3.36%	785.84	117.54	794.59	5.16%	0.77%	5.21%	6.7599	129.51	3.74%
025.33	3	3	9,972.5	8,675.9	9,972.5	8,675.9	3,541.9	87.00%	8,675.6	102.06	8,676.2	86.99%	1.02%	87.00%	85.008	116.15	4.00%
025.34	1		17,492														
025.41	25	22	15,648	562.44	15,578	673.94	95.310	4.33%	474.74	426.50	638.19	3.03%	2.73%	4.08%	1.4963	455.38	3.74%
025.42	15	13	15,970	912.73	15,829	1,004.5	189.83	6.35%	873.41	374.77	950.42	5.47%	2.35%	5.95%	2.5360	364.05	3.73%
025.43	20	17	14,748	2,673.8	15,039	931.74	151.15	6.20%	2,670.2	196.43	2,677.5	18.11%	1.33%	18.15%	13.630	221.92	3.76%
025.52	2	0															
025.53	3	3	15,702	779.37	15,702	779.37	318.18	4.96%	765.65	205.87	792.85	4.88%	1.31%	5.05%	3.8512	277.67	3.74%
027.31	12	10	2.6580	0.12668	2.6580	0.05104	0.01088	1.92%	0.12525	0.02692	0.12811	4.71%	1.01%	4.82%	4.7584	0.02700	3.45%
027.32	5	4	2.8448	0.24863	2.8498	0.21561	0.06818	7.57%	0.24700	0.04022	0.25025	8.68%	1.41%	8.80%	6.2220	0.15420	3.42%
027.33	2	0															
027.34	1		2.7000														
027.41	21	20	2.7425	0.13871	2.7573	0.14846	0.02291	5.38%	0.12673	0.07976	0.14974	4.62%	2.91%	5.46%	1.8775	0.08925	3.43%
027.42	15	13	2.7152	0.15980	2.7559	0.19609	0.03580	7.12%	0.15287	0.06582	0.16644	5.63%	2.42%	6.13%	2.5287	0.08892	3.43%

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027.43	12	12	2.6372	0.16813	2.6372	0.19065	0.03892	7.23%	0.15285	0.09904	0.18213	5.80%	3.76%	6.91%	1.8390	0.08500	3.46%
027.44	1		2.7500														
027.53	3	3	2.6617	0.04726	2.6617	0.04726	0.01929	1.78%	0.01848	0.06151	0.06423	0.69%	2.31%	2.41%	1.0442	0.08333	3.45%
028.31	18	17	4,226.1	744.55	4,330.6	315.63	52.605	7.29%	742.35	80.861	746.74	17.57%	1.91%	17.67%	9.2349	76.756	4.54%
028.32	9	9	4,400.3	430.31	4,374.3	376.28	88.689	8.60%	425.21	93.393	435.35	9.66%	2.12%	9.89%	4.6614	91.044	4.53%
028.33	3	3	3,087.8	2,924.3	3,087.8	2,924.3	1,193.8	94.70%	2,921.6	175.53	2,926.9	94.62%	5.68%	94.79%	16.675	201.90	4.77%
028.41	25	22	4,247.9	744.20	4,430.5	197.45	28.499	4.46%	742.83	63.763	745.56	17.49%	1.50%	17.55%	11.693	76.426	4.52%
028.42	17	14	4,563.8	310.16	4,462.8	352.95	62.393	7.91%	302.85	94.646	317.30	6.64%	2.07%	6.95%	3.3525	90.359	4.52%
028.43	19	15	4,416.9	314.28	4,331.2	248.06	41.344	5.73%	312.34	49.272	316.20	7.07%	1.12%	7.16%	6.4175	60.854	4.54%
028.44	2	0															
028.52	1		0.45500														
028.53	4	3	4,441.3	77.880	6,456.0	4,029.8	1,424.8	62.42%	53.985	79.385	96.002	1.22%	1.79%	2.16%	1.2093	429.50	4.27%
031.01	13	12	0.11443	0.13649	0.06060	0.02831	0.00578	46.72%	0.13647	0.00358	0.13652	119.26%	3.13%	119.30%	38.154	0.00321	6.10%
031.02	1		0.00000														
031.03	2	0															
031.06	1		0.03550														
031.41	12	10	0.05960	0.04035	0.06749	0.05258	0.01121	77.91%	0.04024	0.00424	0.04046	67.52%	7.11%	67.89%	9.5428	0.03742	6.00%
031.42	13	10	0.04593	0.02913	0.04695	0.03006	0.00614	64.03%	0.02901	0.00373	0.02925	63.16%	8.11%	63.67%	7.8508	0.00445	6.34%
031.43	12	9	0.02409	0.02294	0.03730	0.04064	0.00866	108.95%	0.02294	0.00029	0.02294	95.20%	1.19%	95.21%	79.733	0.00106	6.56%
031.44	1		0.42950														
031.52	1		0.01940														
031.53	2	0															
031.99	2	0															
032.02	2	0															
032.31	10	9	0.09669	0.01335	0.09669	0.01514	0.00357	15.66%	0.01277	0.00551	0.01391	13.21%	5.70%	14.38%	2.5221	0.00662	5.69%
032.32	3	3	0.09300	0.01752	0.09300	0.01752	0.00715	18.84%	0.01722	0.00460	0.01782	18.51%	4.95%	19.16%	3.8729	0.00507	5.72%
032.33	2	0															
032.41	13	10	0.11335	0.05063	0.10525	0.03825	0.00781	36.35%	0.05033	0.00787	0.05094	44.40%	6.94%	44.94%	6.4718	0.02032	5.61%
032.42	13	11	0.10822	0.01741	0.10898	0.01427	0.00280	13.10%	0.01702	0.00514	0.01778	15.73%	4.75%	16.43%	3.4597	0.01041	5.58%
032.43	12	11	0.10810	0.02097	0.10983	0.02325	0.00474	21.16%	0.02082	0.00359	0.02113	19.26%	3.32%	19.54%	5.8902	0.00392	5.58%
032.44	1		0.10300														
032.52	1		0.08660														
032.53	1		0.11600														
032.99	1		0.08650														
033.00	6	6	1.2075	0.27415	1.3281	0.08043	0.02322	6.06%	0.27271	0.03969	0.27558	22.58%	3.29%	22.82%	6.9440	0.04500	3.83%
033.01	18	16	1.4270	0.10306	1.4150	0.08051	0.01381	5.69%	0.10214	0.01939	0.10397	7.16%	1.36%	7.29%	5.3616	0.01818	3.80%
033.03	1		1.4000														
033.05	3	2	1.1263	0.48614	1.2342	0.39128	0.15974	31.70%	0.48614	0.00050	0.48614	43.16%	0.04%	43.16%	972.27	0.02033	3.88%

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033.99	3	3	0.84167	0.62170	0.84167	0.62170	0.25381	73.87%	0.62067	0.05050	0.62272	73.74%	6.00%	73.99%	12.332	0.05000	4.10%
034.01	1		23.850														
034.04	5	5	23.946	3.9995	23.946	3.9995	1.2647	16.70%	3.9920	0.34575	4.0069	16.67%	1.44%	16.73%	11.589	0.31300	9.92%
034.34	1		22.250														
034.41	2	0															
034.42	1		26.830														
034.43	5	4	14.853	10.827	16.243	9.8788	3.1240	60.82%	10.827	0.03606	10.827	72.90%	0.24%	72.90%	300.30	0.17400	10.52%
034.52	2	0															
034.53	5	4	24.720	1.9890	24.426	1.8437	0.58302	7.55%	1.9288	0.68648	2.0473	7.80%	2.78%	8.28%	2.9824	1.6840	9.89%
035.01	2	0															
035.05	3	3	0.05918	0.01424	0.05918	0.01424	0.00581	24.07%	0.01419	0.00177	0.01430	23.97%	3.00%	24.16%	8.0580	0.00190	6.12%
035.31	12	9	0.05187	0.02633	0.04326	0.01158	0.00236	26.77%	0.02632	0.00071	0.02633	50.75%	1.36%	50.77%	37.240	0.00192	6.42%
035.32	3	3	0.12480	0.13958	0.12480	0.13958	0.05698	111.84%	0.13953	0.00533	0.13963	111.80%	4.27%	111.88%	26.189	0.00613	5.47%
035.33	2	0															
035.41	16	13	0.04552	0.01469	0.04942	0.01741	0.00318	35.23%	0.01449	0.00344	0.01489	31.83%	7.55%	32.71%	4.3349	0.00392	6.29%
035.42	11	8	0.06151	0.02153	0.05115	0.00663	0.00156	12.96%	0.02145	0.00255	0.02161	34.88%	4.15%	35.13%	8.4569	0.00354	6.26%
035.43	10	9	0.05629	0.01784	0.06026	0.02380	0.00532	39.49%	0.01695	0.00790	0.01870	30.10%	14.03%	33.21%	2.3669	0.00993	6.10%
035.52	1		0.03575														
035.53	1		0.04350														
036.04	1		2.1300														
036.42	12	9	2.2175	0.10551	2.2269	0.13765	0.02935	6.18%	0.10307	0.03190	0.10790	4.65%	1.44%	4.87%	3.3820	0.04497	3.55%
036.43	8	8	2.2194	0.14465	2.2194	0.16404	0.04101	7.39%	0.14315	0.02937	0.14614	6.45%	1.32%	6.58%	4.9760	0.03250	3.55%
037.31	20	18	16,251	3,079.9	16,354	951.68	154.38	5.82%	3,073.8	275.57	3,086.1	18.91%	1.70%	18.99%	11.199	265.54	3.71%
037.32	10	8	17,146	210.87	17,099	263.25	58.864	1.54%	157.96	197.56	252.95	0.92%	1.15%	1.48%	1.2803	282.85	3.69%
037.33	3	2	7,231.0	10,200	10,047	8,707.2	3,554.7	86.66%	10,200	19.971	10,200	141.06%	0.28%	141.06%	510.74	234.21	4.00%
037.41	24	22	16,476	2,203.7	16,736	1,028.6	151.66	6.15%	2,194.6	282.75	2,212.8	13.32%	1.72%	13.43%	7.8259	287.38	3.70%
037.42	17	15	17,834	1,431.9	17,563	1,068.3	183.22	6.08%	1,360.3	632.41	1,500.1	7.63%	3.55%	8.41%	2.3721	747.33	3.67%
037.43	19	15	15,821	2,976.0	16,583	1,381.9	230.31	8.33%	2,973.4	177.48	2,978.7	18.79%	1.12%	18.83%	16.783	303.29	3.71%
037.44	1		17,550														
037.52	1		1.7000														
037.53	4	4	17,010	568.25	17,010	568.25	200.91	3.34%	559.21	142.77	577.15	3.29%	0.84%	3.39%	4.0424	168.50	3.69%
038.41	1		2.2618														
038.42	3	3	2.9538	0.41065	2.9538	0.41065	0.16765	13.90%	0.24016	0.47109	0.52877	8.13%	15.95%	17.90%	1.1224	0.52700	13.59%
038.43	5	4	1.4950	1.7667	3,261.2	7,288.9	2,305.0	223.50%	1.7660	0.06671	1.7673	118.13%	4.46%	118.21%	26.493	160.05	4.73%
038.52	3	3	3.2058	0.83088	3.2058	0.83088	0.33921	25.92%	0.80960	0.26424	0.85163	25.25%	8.24%	26.56%	3.2230	0.33700	13.42%
038.53	1		3.4950														
041.52	1		5.8000														
051.03	1		38,194														

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
073.00	4	4	29,723	6,017.7	29,723	6,017.7	2,127.6	20.25%	5,996.0	723.57	6,039.5	20.17%	2.43%	20.32%	8.3468	713.66	8.52%
073.03	4	4	31,139	3,130.8	31,139	3,130.8	1,106.9	10.05%	2,681.3	2,285.8	3,523.4	8.61%	7.34%	11.32%	1.5414	2,232.6	8.46%
073.04	2	0															
101.01	1		12,350														
101.02	2	0															
102.01	1		4,036.1														
102.02	3	3	4,062.1	1,239.0	4,062.1	1,239.0	505.81	30.50%	1,235.3	135.87	1,242.7	30.41%	3.34%	30.59%	9.1460	182.60	4.07%
103.01	2	0															
103.02	1		2,315.0														
104.00	1		192.33														
104.03	3	3	130.09	108.64	130.09	108.64	44.353	83.52%	108.57	5.6618	108.72	83.46%	4.35%	83.57%	19.202	6.9347	6.83%
104.99	1		373.00														
105.00	4	3	5.5700	0.62416	10.208	9.2903	3.2846	91.01%	0.58114	0.32202	0.66440	10.43%	5.78%	11.93%	2.0632	4.4109	10.01%
105.01	1		5.7600														
106.00	1		522.50														
106.01	1		428.50														
106.02	15	15	495.84	107.35	494.77	112.56	20.551	22.75%	106.38	20.372	108.32	21.45%	4.11%	21.84%	5.3170	20.902	
106.99	1		420.00														
107.00	2	0															
108.01	1		113.00														
108.02	6	4	63.485	38.807	932.47	1,943.4	614.56	208.41%	38.643	5.0361	38.970	60.87%	7.93%	61.38%	7.7380	15.976	
109.01	2	0															
109.02	14	12	3,735.9	773.90	3,805.3	709.48	139.14	18.64%	772.35	69.106	775.44	20.67%	1.85%	20.76%	11.221	95.085	4.63%
109.99	1		3,900.0														
112.00	2	0															
112.99	1		217.00														
113.01	1		20.400														
113.99	1		23.200														
114.01	1		4.9450														
114.99	2	0															
115.00	1		0.30000														
120.00	3	2	0.04500	0.00707	0.04438	0.00511	0.00209	11.52%	0.00707	0.00000	0.00707	15.71%	0.00%	15.71%		0.00023	6.39%
120.02	2	0															
120.05	2	0															
121.00	3	2	0.03500	0.00707	0.03500	0.00500	0.00204	14.29%	0.00707	0.00000	0.00707	20.20%	0.00%	20.20%		0.00020	6.62%
121.02	2	0															
121.05	2	0															
122.00	3	2	0.06000	0.00000	0.05960	0.00069	0.00028	1.16%	0.00000	0.00000	0.00000	0.00%	0.00%	0.00%		0.00007	6.11%

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
122.02	2	0															
122.05	2	0															
124.00	2	0															
124.02	1		0.06000														
124.05	1		0.00200														
125.00	3	0			0.08247	0.00427	0.00174	5.18%								0.00000	5.82%
125.02	2	0															
125.05	2	0															
126.00	3	2	0.05000	0.00000	0.05067	0.00115	0.00047	2.28%	0.00000	0.00000	0.00000	0.00%	0.00%	0.00%		0.00040	6.27%
126.02	2	0															
126.05	2	0															
127.00	3	2	0.01000	0.00000	0.01033	0.00058	0.00024	5.59%	0.00000	0.00000	0.00000	0.00%	0.00%	0.00%		0.00007	7.96%
127.02	2	0															
127.05	2	0															
128.00	3	2	0.02000	0.00000	0.02052	0.00089	0.00037	4.36%	0.00000	0.00000	0.00000	0.00%	0.00%	0.00%		0.00003	7.18%
128.02	2	0															
128.05	2	0															
129.00	3	2	0.04820	0.00255	0.04380	0.00783	0.00320	17.88%	0.00255	0.00000	0.00255	5.28%	0.00%	5.28%		0.00333	6.40%
129.02	2	0															
129.05	2	0															
130.00	3	2	0.03000	0.00000	0.02940	0.00104	0.00042	3.53%	0.00000	0.00000	0.00000	0.00%	0.00%	0.00%		0.00007	6.80%
130.02	2	0															
130.05	2	0															
131.00	2	0															
131.02	1		0.00000														
131.05	1		0.01400														
132.00	3	2	0.02500	0.00707	0.02548	0.00507	0.00207	19.89%	0.00707	0.00000	0.00707	28.28%	0.00%	28.28%		0.00003	6.95%
132.02	2	0															
132.05	2	0															
133.00	3	2	0.05588	0.01998	0.04892	0.01857	0.00758	37.96%	0.01997	0.00045	0.01998	35.75%	0.81%	35.76%	44.396	0.00363	6.30%
133.05	2	0															
133.99	1		0.04000														
134.00	3	2	0.03000	0.00000	0.03077	0.00133	0.00054	4.32%	0.00000	0.00000	0.00000	0.00%	0.00%	0.00%		0.00013	6.75%
134.02	2	0															
134.05	2	0															
135.00	4	0			0.02955	0.00090	0.00032	3.05%								0.00000	6.80%
135.02	2	0															
135.05	2	0															

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136.00	1		0.00000														
136.01	1		0.02000														
136.02	1		0.00000														
136.99	1		0.00000														
137.00	3	2	0.04500	0.04950	0.06417	0.04824	0.01969	75.18%	0.04950	0.00000	0.04950	109.99%	0.00%	109.99%		0.00100	6.05%
137.02	2	0															
137.05	2	0															
138.00	3	1	0.03485		0.03328	0.00284	0.00116	8.55%		0.00021			0.61%			0.00343	6.67%
138.02	2	0															
138.05	2	0															
139.00	1		0.01500														
139.02	1		0.00000														
139.05	1		0.00000														
160.99	1		0.00000														
161.99	1		0.00000														
162.99	1		0.00000														
163.99	1		0.00000														
164.99	1		0.00000														
165.99	1		0.00000														
400.01	3	2	0.48000	0.00000	0.47283	0.01241	0.00507	2.63%		0.01000			2.08%			0.00833	
516.00	2	0															
516.42	1		0.00000														
516.43	1		1.0570														
516.52	3	2	0.53350	0.00495	1.0957	0.97371	0.39751	88.87%		0.26515			49.70%			0.26333	15.78%
516.53	4	4	1.4200	0.32565	1.4200	0.32565	0.11514	22.93%	0.30893	0.14569	0.34156	21.76%	10.26%	24.05%	2.3445	0.15500	15.17%
518.31	1		0.51700														
518.33	1		0.48000														
518.34	3	2	0.65750	0.00354	0.56717	0.15648	0.06388	27.59%		0.06185			9.41%			0.05433	17.42%
518.41	3	3	0.88317	0.28273	0.88317	0.28273	0.11542	32.01%	0.28236	0.02056	0.28311	31.97%	2.33%	32.06%	13.771	0.02533	16.30%
518.42	1		0.23500														
518.43	2	0															
518.52	3	3	0.73833	0.04659	0.73833	0.04659	0.01902	6.31%		0.07436			10.07%			0.08333	16.74%
518.53	5	4	0.82075	0.25390	0.82060	0.21988	0.06953	26.80%	0.25271	0.03474	0.25508	30.79%	4.23%	31.08%	7.3430	0.08240	16.48%
520.31	1		14.950														
520.41	1		34.710														
520.43	4	4	30.843	17.776	30.843	17.776	6.2846	57.63%	17.759	1.0722	17.792	57.58%	3.48%	57.69%	16.593	1.1300	9.55%
520.52	1		36.860														
520.53	2	0															



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526.31	4	3	10.019	7.4579	8.2675	7.0249	2.4837	84.97%	7.4522	0.41022	7.4635	74.38%	4.09%	74.49%	18.194	1.7906	11.64%
526.34	4	4	5.2361	0.79377	5.2361	0.79377	0.28064	15.16%	0.73856	0.41134	0.84538	14.11%	7.86%	16.15%	2.0552	0.48275	12.47%
526.41	2	0															
526.42	1		12.360														
526.43	2	0															
526.52	3	3	10.478	1.9684	10.478	1.9684	0.80359	18.79%	1.9265	0.57101	2.0094	18.39%	5.45%	19.18%	3.5190	0.70567	11.23%
526.53	5	5	9.9400	1.1533	9.9400	1.1533	0.36472	11.60%	0.95810	0.90800	1.3200	9.64%	9.13%	13.28%	1.4538	0.95600	11.32%
529.99	7	5	10.407	9.1377	14.554	14.786	4.2683	101.59%	9.1267	0.63335	9.1487	87.70%	6.09%	87.91%	14.445	2.8469	30.23%
539.31	1		23.300														
539.41	1		28.043														
539.43	2	0															
539.52	2	0															
539.53	2	0															
600.01	1		1.1500														
621.23	1		0.00000														
622.23	1		0.00000														
623.23	1		0.00000														
630.23	1		0.00000														
650.24	1		0.00000														