

AAFCO Check Sample Program

All Methods Report

Sort by Method

Proficiency For Individual Methods

Sample # 201426

Pelleted Sheep Concentrate, Medicated



AAFCO

Check Sample Program

Issue Date : 07/31/2014

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		5.0000														
000.99	1		2.2750														
001.00	7	6	9.6797	0.73626	9.8256	0.50345	0.14533	5.12%	0.73611	0.02097	0.73641	7.60%	0.22%	7.61%	35.121	0.02547	2.84%
001.03	10	8	9.7203	0.03613	9.7199	0.02786	0.00657	0.29%	0.03504	0.01248	0.03720	0.36%	0.13%	0.38%	2.9813	0.02081	2.84%
001.05	1		8.1400														
001.07	36	34	9.7310	0.21193	9.7296	0.15166	0.01813	1.56%	0.20399	0.08127	0.21959	2.10%	0.84%	2.26%	2.7019	0.09055	2.84%
001.08	3	3	9.7067	0.12573	9.7067	0.12573	0.05133	1.30%	0.08884	0.12583	0.15403	0.92%	1.30%	1.59%	1.2241	0.16000	2.84%
001.99	18	16	9.8794	0.47939	9.7752	0.33324	0.05715	3.41%	0.47734	0.06270	0.48144	4.83%	0.63%	4.87%	7.6785	0.07353	2.84%
002.00	5	5	37.827	0.32921	37.827	0.32921	0.10411	0.87%	0.16759	0.40074	0.43437	0.44%	1.06%	1.15%	1.0839	0.40600	2.32%
002.01	13	13	37.672	0.37519	37.652	0.38689	0.07588	1.03%	0.36727	0.10845	0.38295	0.97%	0.29%	1.02%	3.5311	0.12138	2.32%
002.02	4	4	37.660	0.10032	37.660	0.10032	0.03547	0.27%	0.05789	0.11586	0.12952	0.15%	0.31%	0.34%	1.1179	0.11488	2.32%
002.04	5	4	37.311	0.93876	37.355	0.81886	0.25894	2.19%	0.93414	0.13158	0.94336	2.50%	0.35%	2.53%	7.1696	0.39800	2.32%
002.05	42	38	37.564	0.38842	37.573	0.38430	0.04244	1.02%	0.38170	0.10172	0.39502	1.02%	0.27%	1.05%	3.8833	0.12665	2.32%
002.06	131	119	38.119	0.40372	38.120	0.38759	0.02422	1.02%	0.37329	0.21744	0.43200	0.98%	0.57%	1.13%	1.9867	0.26002	2.31%
002.08	3	3	37.615	0.31690	37.615	0.31690	0.12937	0.84%	0.31260	0.07360	0.32114	0.83%	0.20%	0.85%	4.3635	0.08333	2.32%
002.10	1		37.520														
002.11	5	5	38.962	1.4226	38.962	1.4226	0.44986	3.65%	1.4019	0.34161	1.4430	3.60%	0.88%	3.70%	4.2239	0.33200	2.30%
002.99	3	3	37.778	0.70594	37.778	0.70594	0.28820	1.87%	0.67408	0.29656	0.73643	1.78%	0.79%	1.95%	2.4832	0.32333	2.32%
003.00	16	14	4.2908	0.40226	4.2557	0.39435	0.07200	9.27%	0.40062	0.05134	0.40390	9.34%	1.20%	9.41%	7.8669	0.06983	3.22%
003.01	3	3	4.2516	0.37645	4.2516	0.37645	0.15368	8.85%	0.37326	0.06905	0.37960	8.78%	1.62%	8.93%	5.4971	0.07753	3.22%
003.06	19	17	4.1361	0.17476	4.1066	0.15975	0.02663	3.89%	0.17037	0.05503	0.17904	4.12%	1.33%	4.33%	3.2535	0.05856	3.23%
003.09	21	19	4.2382	0.23249	4.2841	0.21586	0.03413	5.04%	0.22802	0.06423	0.23689	5.38%	1.52%	5.59%	3.6882	0.08202	3.21%
003.10	31	27	3.9875	0.29350	3.9708	0.27371	0.03594	6.89%	0.28924	0.07050	0.29771	7.25%	1.77%	7.47%	4.2227	0.08251	3.25%
003.11	4	4	4.6125	1.4424	4.6125	1.4424	0.50996	31.27%	1.4399	0.11969	1.4449	31.22%	2.59%	31.33%	12.072	0.12500	3.18%
003.12	8	7	4.0129	0.14968	3.9666	0.21635	0.05409	5.45%	0.14883	0.02263	0.15054	3.71%	0.56%	3.75%	6.6518	0.03506	3.25%
003.13	12	10	4.0611	0.19522	4.0849	0.20538	0.04379	5.03%	0.19196	0.05022	0.19842	4.73%	1.24%	4.89%	3.9510	0.05564	3.24%
003.14	37	35	4.0714	0.34905	4.0808	0.32274	0.03804	7.91%	0.34363	0.08667	0.35439	8.44%	2.13%	8.70%	4.0890	0.10338	3.24%

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003.99	2	0															
004.00	23	22	8.8687	0.71760	8.9867	0.67855	0.10005	7.55%	0.70519	0.18789	0.72979	7.95%	2.12%	8.23%	3.8841	0.21169	2.87%
004.01	1		9.8350														
004.03	6	5	8.4720	1.4547	8.4720	1.4547	0.46003	17.17%	1.4539	0.06899	1.4556	17.16%	0.81%	17.18%	21.097	0.08400	2.90%
004.06	31	29	8.4729	0.58692	8.5171	0.67155	0.08670	7.88%	0.58033	0.12402	0.59344	6.85%	1.46%	7.00%	4.7851	0.15348	2.90%
004.07	58	54	9.3485	1.2184	9.3168	1.1912	0.11157	12.79%	1.2002	0.29703	1.2364	12.84%	3.18%	13.23%	4.1626	0.39245	2.86%
004.11	3	2	8.1025	0.00354	9.1117	1.7479	0.71359	19.18%		0.20500			2.53%			0.21667	2.87%
004.99	2	0															
005.00	102	97	15.885	0.60078	15.968	0.40497	0.02849	2.54%	0.59069	0.15507	0.61070	3.72%	0.98%	3.84%	3.9383	0.17654	2.64%
005.01	1		15.275														
005.02	1		17.095														
005.03	1		15.600														
005.05	31	28	16.392	0.32319	16.354	0.37435	0.04833	2.29%	0.31770	0.08387	0.32858	1.94%	0.51%	2.00%	3.9178	0.08611	2.63%
005.11	5	5	16.831	3.5273	16.831	3.5273	1.1154	20.96%	3.5235	0.22911	3.5310	20.93%	1.36%	20.98%	15.412	0.23800	2.62%
005.99	12	12	15.943	1.0736	16.158	0.76423	0.15600	4.73%	1.0673	0.16468	1.0799	6.69%	1.03%	6.77%	6.5577	0.19083	2.63%
006.00	2	0															
006.01	2	0															
006.99	9	8	3.5306	1.4522	3.5306	1.6468	0.41169	46.64%	1.4508	0.08779	1.4535	41.09%	2.49%	41.17%	16.557	0.08875	3.31%
008.02	13	12	11.837	0.33366	11.890	0.27810	0.05677	2.34%	0.27922	0.25833	0.38039	2.36%	2.18%	3.21%	1.4725	0.25625	2.76%
008.05	1		11.650														
008.08	35	34	11.770	0.54929	11.793	0.52620	0.06381	4.46%	0.50741	0.29750	0.58819	4.31%	2.53%	5.00%	1.9771	0.32394	2.76%
008.99	1		25.615														
009.04	1		25.035														
009.07	7	7	20.110	0.98366	20.110	1.1155	0.29812	5.55%	0.94201	0.40054	1.0236	4.68%	1.99%	5.09%	2.5556	0.43606	2.55%
009.09	34	32	20.488	1.3304	20.458	1.1426	0.13856	5.59%	1.2821	0.50231	1.3770	6.26%	2.45%	6.72%	2.7414	0.52551	2.54%
009.99	2	0															
010.03	3	3	9.8550	0.36541	9.8550	0.36541	0.14918	3.71%	0.28434	0.32458	0.43151	2.89%	3.29%	4.38%	1.3295	0.37667	2.83%
010.11	4	4	8.5513	1.3575	8.5513	1.3575	0.47994	15.87%	1.3566	0.06865	1.3584	15.86%	0.80%	15.88%	19.787	0.08250	2.90%
010.99	10	8	9.6540	0.77616	9.5259	0.89989	0.21211	9.45%	0.77533	0.05067	0.77698	8.03%	0.52%	8.05%	15.335	0.05370	2.85%
011.01	73	67	10.857	0.42940	10.845	0.43508	0.03677	4.01%	0.42327	0.10228	0.43545	3.90%	0.94%	4.01%	4.2576	0.11391	2.79%
011.02	2	0															
011.03	2	0															
011.99	3	2	10.428	0.18031	10.510	0.19151	0.07818	1.82%	0.17861	0.03500	0.18200	1.71%	0.34%	1.75%	5.2001	0.22000	2.81%
012.00	10	10	4.7482	0.83438	4.6171	0.65354	0.14614	14.15%	0.82990	0.12211	0.83884	17.48%	2.57%	17.67%	6.8697	0.11800	3.18%
012.01	7	7	4.0691	0.46355	3.9053	0.24734	0.06610	6.33%	0.44173	0.19875	0.48438	10.86%	4.88%	11.90%	2.4371	0.22109	3.26%
012.03	4	4	4.2963	0.58518	4.2963	0.58518	0.20689	13.62%	0.58386	0.05557	0.58650	13.59%	1.29%	13.65%	10.555	0.06750	3.21%
012.04	5	5	4.4250	0.76683	4.4250	0.76683	0.24249	17.33%	0.76096	0.13390	0.77265	17.20%	3.03%	17.46%	5.7702	0.15800	3.20%
012.11	3	3	7.9533	3.6236	7.9533	3.6236	1.4793	45.56%	3.6208	0.20108	3.6264	45.53%	2.53%	45.60%	18.035	0.22000	2.93%

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013.00	21	20	5.1561	0.67639	5.1420	0.63561	0.10050	12.36%	0.67047	0.12626	0.68225	13.00%	2.45%	13.23%	5.4034	0.13323	3.13%
013.02	24	22	5.4605	0.48919	5.4957	0.51335	0.07569	9.34%	0.47989	0.13419	0.49830	8.79%	2.46%	9.13%	3.7134	0.17392	3.09%
013.08	2	0															
013.10	8	8	5.1379	0.60255	5.2221	0.48321	0.12080	9.25%	0.59324	0.14921	0.61172	11.55%	2.90%	11.91%	4.0999	0.15925	3.12%
013.12	2	0															
013.13	2	0															
015.41	6	5	112.96	12.089	114.31	12.301	3.5509	10.76%	11.388	5.7399	12.753	10.08%	5.08%	11.29%	2.2217	11.525	7.84%
015.42	1		98.200														
015.43	7	6	92.504	24.962	92.403	28.106	8.1134	30.42%	24.781	4.2520	25.143	26.79%	4.60%	27.18%	5.9132	5.3240	8.09%
015.53	1		125.00														
017.41	2	0															
017.42	4	4	15.760	2.1952	15.760	2.1952	0.77611	13.93%	2.1387	0.69970	2.2502	13.57%	4.44%	14.28%	3.2160	0.91500	10.56%
017.43	5	5	12.861	1.3450	12.861	1.3450	0.42532	10.46%	1.2264	0.78085	1.4539	9.54%	6.07%	11.30%	1.8620	0.88200	10.89%
019.00	17	16	3.8910	0.14329	3.8986	0.06192	0.01062	1.59%	0.14260	0.01987	0.14398	3.66%	0.51%	3.70%	7.2459	0.02265	3.26%
019.03	1		4.0878														
019.08	10	9	3.8649	0.17598	3.8421	0.20368	0.04554	5.30%	0.17217	0.05149	0.17971	4.45%	1.33%	4.65%	3.4903	0.05247	3.27%
019.09	1		4.0985														
019.31	29	25	3.9184	0.19649	3.8870	0.17566	0.02390	4.52%	0.19355	0.04783	0.19938	4.94%	1.22%	5.09%	4.1688	0.05675	3.26%
019.32	7	6	3.9668	0.25484	4.0391	0.20690	0.05530	5.12%	0.25390	0.03095	0.25578	6.40%	0.78%	6.45%	8.2629	0.06024	3.24%
019.33	1		4.1400														
019.41	37	33	3.9377	0.20834	3.9309	0.20595	0.02462	5.24%	0.20437	0.05725	0.21224	5.19%	1.45%	5.39%	3.7072	0.06001	3.26%
019.42	21	21	3.9414	0.15961	3.9498	0.14770	0.02279	3.74%	0.14552	0.09272	0.17255	3.69%	2.35%	4.38%	1.8610	0.10471	3.25%
019.43	21	19	3.9318	0.20301	3.9095	0.19803	0.03131	5.07%	0.19259	0.09079	0.21292	4.90%	2.31%	5.42%	2.3451	0.10142	3.26%
019.44	2	0															
019.52	3	3	3.7156	0.34596	3.7156	0.34596	0.14124	9.31%	0.33269	0.13422	0.35874	8.95%	3.61%	9.66%	2.6729	0.18783	3.28%
019.53	2	0															
019.99	5	5	3.5717	0.75367	3.5717	0.75367	0.23833	21.10%	0.74806	0.12986	0.75925	20.94%	3.64%	21.26%	5.8469	0.14700	3.30%
021.00	1		0.90500														
021.31	1		1.4000														
021.41	3	3	1.1321	0.41463	1.1321	0.41463	0.16927	36.63%	0.41031	0.08449	0.41892	36.24%	7.46%	37.00%	4.9585	0.10990	15.70%
021.42	3	3	1.3865	0.32589	1.3865	0.32589	0.13304	23.50%	0.27186	0.25414	0.37215	19.61%	18.33%	26.84%	1.4644	0.26700	15.23%
021.43	5	3	1.4834	0.04010	1.4000	0.27082	0.08564	19.34%	0.01834	0.05042	0.05366	1.24%	3.40%	3.62%	1.0641	0.16112	15.21%
021.52	2	0															
021.53	4	4	1.3666	0.19733	1.3666	0.19733	0.06977	14.44%	0.14061	0.19581	0.24106	10.29%	14.33%	17.64%	1.2311	0.19675	15.26%
022.31	11	8	12.851	2.0189	12.253	2.5200	0.56350	20.57%	2.0097	0.27210	2.0281	15.64%	2.12%	15.78%	7.4535	0.41202	10.97%
022.32	4	4	13.130	1.9496	13.130	1.9496	0.68929	14.85%	1.9250	0.43638	1.9739	14.66%	3.32%	15.03%	4.5233	0.43500	10.86%
022.33	1		12.340														
022.41	22	19	11.860	1.7453	11.556	1.3069	0.20166	11.31%	1.6506	0.80197	1.8351	13.92%	6.76%	15.47%	2.2882	0.90961	11.07%

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022.42	17	15	11.088	1.5962	11.164	1.3815	0.24422	12.37%	1.5175	0.70006	1.6712	13.69%	6.31%	15.07%	2.3872	0.69813	11.13%
022.43	17	16	10.199	1.0142	10.260	0.99479	0.17060	9.70%	0.97257	0.40656	1.0541	9.54%	3.99%	10.34%	2.5928	0.47160	11.27%
022.44	1		11.350														
022.52	1		10.800														
022.53	4	3	9.7683	0.89530	11.826	4.1802	1.4779	35.35%	0.85937	0.35508	0.92984	8.80%	3.64%	9.52%	2.6187	1.8675	11.03%
022.99	1		10.000														
023.01	1		8.6150														
025.31	17	15	278.86	18.054	273.87	13.364	2.3624	4.88%	17.914	3.1707	18.193	6.42%	1.14%	6.52%	5.7378	3.6356	6.87%
025.32	4	3	284.51	22.848	379.50	190.90	67.492	50.30%	21.096	12.408	24.475	7.41%	4.36%	8.60%	1.9724	13.328	6.54%
025.33	1		204.60														
025.41	30	27	257.74	21.044	259.75	18.343	2.4085	7.06%	20.400	7.3045	21.668	7.92%	2.83%	8.41%	2.9664	8.8378	6.93%
025.42	18	16	248.80	25.324	249.88	20.373	3.3954	8.15%	24.874	6.7237	25.767	10.00%	2.70%	10.36%	3.8322	8.1922	6.97%
025.43	17	17	244.85	23.976	245.21	26.413	4.5297	10.77%	23.388	7.4659	24.550	9.55%	3.05%	10.03%	3.2883	6.7315	6.99%
025.52	2	0															
025.53	2	0															
025.99	1		258.00														
027.31	18	16	0.51862	0.04915	0.50451	0.02280	0.00391	4.52%	0.04880	0.00818	0.04949	9.41%	1.58%	9.54%	6.0465	0.00948	4.43%
027.32	5	4	0.51909	0.02092	0.52037	0.01834	0.00580	3.52%	0.02066	0.00460	0.02117	3.98%	0.89%	4.08%	4.6017	0.01206	4.41%
027.33	1		0.66500														
027.41	30	25	0.52157	0.02382	0.51903	0.02026	0.00266	3.90%	0.02279	0.00979	0.02480	4.37%	1.88%	4.75%	2.5341	0.01471	4.41%
027.42	19	17	0.51526	0.02613	0.51524	0.02469	0.00412	4.79%	0.02506	0.01045	0.02715	4.86%	2.03%	5.27%	2.5979	0.01153	4.42%
027.43	16	16	0.50683	0.03185	0.50634	0.03160	0.00559	6.24%	0.03111	0.00965	0.03257	6.14%	1.90%	6.43%	3.3738	0.00981	4.43%
027.44	2	0															
027.52	1		0.44145														
027.53	2	0															
027.99	2	0															
028.31	14	12	113.70	5.1632	113.65	7.0698	1.3361	6.22%	4.8405	2.5410	5.4669	4.26%	2.23%	4.81%	2.1515	2.5114	7.85%
028.32	4	4	127.54	8.7702	127.54	8.7702	3.1007	6.88%	8.4789	3.1700	9.0522	6.65%	2.49%	7.10%	2.8555	3.4375	7.71%
028.33	1		109.80														
028.41	28	27	115.39	8.2109	114.71	8.7570	1.1702	7.63%	6.8723	6.3546	9.3600	5.96%	5.51%	8.11%	1.4730	6.0280	7.84%
028.42	20	19	120.68	10.381	120.94	9.7086	1.5351	8.03%	4.2834	13.373	14.042	3.55%	11.08%	11.64%	1.0500	13.415	7.77%
028.43	16	14	114.44	8.2074	115.01	9.3050	1.6989	8.09%	7.9955	2.6209	8.4141	6.99%	2.29%	7.35%	3.2104	3.6967	7.83%
028.44	3	3	104.90	15.462	104.90	15.462	6.3124	14.74%	15.192	4.0686	15.728	14.48%	3.88%	14.99%	3.8656	4.7333	7.94%
028.52	1		140.00														
028.53	3	3	123.57	10.355	123.57	10.355	4.2272	8.38%	7.2285	10.485	12.735	5.85%	8.49%	10.31%	1.2146	12.333	7.75%
028.99	1		130.00														
031.00	1		1.1750														
031.01	53	45	1.1240	0.05213	1.1144	0.03945	0.00394	3.54%	0.05174	0.00899	0.05251	4.60%	0.80%	4.67%	5.8437	0.01342	3.94%

Method Code	Total # Labs Submitting	# Labs Included in Calculations	Mean	SD	Assigned Value - Robust Mean	AAFCO CS fp - 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
031.02	3	3	1.1375	0.01984	1.1375	0.01984	0.00810	1.74%	0.01886	0.00873	0.02078	1.66%	0.77%	1.83%	2.3793	0.00920	3.92%
031.03	4	3	1.1192	0.01670	1.1094	0.02389	0.00845	2.15%	0.01659	0.00261	0.01680	1.48%	0.23%	1.50%	6.4292	0.01660	3.94%
031.06	1		1.1130														
031.41	35	32	1.1213	0.06494	1.1224	0.05723	0.00704	5.10%	0.06344	0.01963	0.06640	5.66%	1.75%	5.92%	3.3826	0.02196	3.93%
031.42	21	20	1.0963	0.06615	1.1046	0.04149	0.00640	3.76%	0.06284	0.02922	0.06930	5.73%	2.67%	6.32%	2.3715	0.03148	3.94%
031.43	20	19	1.1258	0.03240	1.1266	0.03362	0.00545	2.98%	0.03002	0.01724	0.03461	2.67%	1.53%	3.07%	2.0082	0.01823	3.93%
031.44	2	0															
031.52	1		0.98880														
031.53	4	3	1.1945	0.09295	1.2357	0.11198	0.03959	9.06%	0.09240	0.01424	0.09349	7.74%	1.19%	7.83%	6.5668	0.04695	3.87%
031.99	6	5	1.0680	0.06467	1.0758	0.03147	0.00909	2.93%	0.06366	0.01612	0.06567	5.96%	1.51%	6.15%	4.0727	0.03333	3.96%
032.02	5	5	1.4955	0.36246	1.4955	0.36246	0.11462	24.24%	0.36123	0.04219	0.36368	24.15%	2.82%	24.32%	8.6204	0.04380	3.76%
032.08	1		1.1220														
032.31	16	15	1.3047	0.09033	1.3122	0.07073	0.01250	5.39%	0.09000	0.01092	0.09066	6.90%	0.84%	6.95%	8.3034	0.01235	3.84%
032.32	4	4	1.3157	0.07811	1.3157	0.07811	0.02762	5.94%	0.07788	0.00860	0.07835	5.92%	0.65%	5.95%	9.1108	0.01153	3.84%
032.41	29	25	1.3588	0.06650	1.3504	0.07751	0.01036	5.74%	0.06403	0.02542	0.06889	4.71%	1.87%	5.07%	2.7096	0.04071	3.82%
032.42	20	19	1.3522	0.07285	1.3437	0.06192	0.00979	4.61%	0.06980	0.02950	0.07578	5.16%	2.18%	5.60%	2.5688	0.03315	3.83%
032.43	15	14	1.2931	0.07619	1.2904	0.07142	0.01350	5.53%	0.07405	0.02533	0.07826	5.73%	1.96%	6.05%	3.0897	0.02669	3.85%
032.44	2	0															
032.52	1		1.1472														
032.53	3	3	1.4587	0.12465	1.4587	0.12465	0.05089	8.55%	0.11939	0.05068	0.12970	8.18%	3.47%	8.89%	2.5593	0.04817	3.78%
032.99	2	0															
033.00	32	31	2.9800	0.34541	3.0313	0.20120	0.02515	6.64%	0.34517	0.01809	0.34564	11.58%	0.61%	11.60%	19.103	0.01900	3.38%
033.01	37	33	3.2344	0.09412	3.2424	0.05341	0.00629	1.65%	0.09267	0.02326	0.09555	2.87%	0.72%	2.95%	4.1077	0.02890	3.35%
033.03	7	5	2.2813	0.61139	2.5121	0.63140	0.18227	25.13%	0.61127	0.01706	0.61151	26.79%	0.75%	26.81%	35.854	0.03383	3.48%
033.05	4	4	3.2038	0.11375	3.2038	0.11375	0.04022	3.55%	0.11009	0.04047	0.11730	3.44%	1.26%	3.66%	2.8986	0.05250	3.36%
033.99	8	6	3.2169	0.06464	3.2018	0.05348	0.01429	1.67%	0.06113	0.02974	0.06798	1.90%	0.92%	2.11%	2.2858	0.03193	3.36%
034.01	2	0															
034.04	5	5	1.7210	0.19629	1.7210	0.19629	0.06207	11.41%	0.19211	0.05701	0.20039	11.16%	3.31%	11.64%	3.5150	0.06600	14.74%
034.34	1		2.0800														
034.41	1		1.5000														
034.42	2	0															
034.43	2	0															
034.52	4	4	1.8913	0.19379	1.8913	0.19379	0.06852	10.25%		0.41408			21.89%			0.41700	14.53%
034.53	8	6	1.6588	0.30604	1.6764	0.31852	0.08513	19.00%	0.29565	0.11181	0.31609	17.82%	6.74%	19.06%	2.8269	0.20686	14.80%
034.99	1		1.6000														
035.01	3	3	0.92333	0.03693	0.92333	0.03693	0.01508	4.00%	0.03684	0.00379	0.03703	3.99%	0.41%	4.01%	9.7810	0.00400	4.05%
035.05	8	6	0.89983	0.07556	0.93554	0.04107	0.01098	4.39%	0.07541	0.00665	0.07570	8.38%	0.74%	8.41%	11.391	0.01257	4.04%
035.31	18	17	0.93429	0.05397	0.93306	0.05022	0.00837	5.38%	0.05357	0.00925	0.05436	5.73%	0.99%	5.82%	5.8774	0.00883	4.04%

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 %rsd	Reproducibility %RSD	sR/sr	Average Range (R-bar)	Horwitz %RSD
035.32	4	4	0.85600	0.18652	0.85600	0.18652	0.06594	21.79%	0.18642	0.00831	0.18661	21.78%	0.97%	21.80%	22.468	0.01040	4.09%
035.41	35	32	0.92848	0.04645	0.93128	0.04451	0.00540	4.78%	0.04420	0.02018	0.04859	4.76%	2.17%	5.23%	2.4077	0.02259	4.04%
035.42	19	18	0.93621	0.05489	0.94071	0.05111	0.00829	5.43%	0.05234	0.02337	0.05733	5.59%	2.50%	6.12%	2.4525	0.02432	4.04%
035.43	13	12	0.90845	0.05500	0.91755	0.04837	0.00949	5.27%	0.05381	0.01612	0.05617	5.92%	1.77%	6.18%	3.4849	0.02108	4.05%
035.52	1		0.81595														
035.53	3	3	1.1158	0.24720	1.1158	0.24720	0.10092	22.15%	0.24138	0.07541	0.25289	21.63%	6.76%	22.66%	3.3534	0.08287	3.93%
035.99	2	0															
036.04	4	3	0.47833	0.00764	0.45769	0.04176	0.01476	9.12%	0.00707	0.00408	0.00816	1.48%	0.85%	1.71%	2.0000	0.01938	4.50%
036.42	16	14	0.49106	0.03060	0.49199	0.03369	0.00615	6.85%	0.02877	0.01477	0.03234	5.86%	3.01%	6.59%	2.1891	0.02187	4.45%
036.43	9	9	0.48027	0.03100	0.47596	0.02271	0.00535	4.77%	0.02893	0.01575	0.03294	6.02%	3.28%	6.86%	2.0918	0.01680	4.47%
036.99	1		0.42000														
037.31	16	13	318.52	105.21	346.75	33.208	6.0629	9.58%	105.20	2.2946	105.22	33.03%	0.72%	33.03%	45.856	2.8813	6.63%
037.32	4	4	360.86	28.483	360.86	28.483	10.070	7.89%	28.079	6.7585	28.881	7.78%	1.87%	8.00%	4.2733	8.4450	6.59%
037.33	1		300.64														
037.41	28	27	346.50	22.565	347.28	20.539	2.7950	5.91%	21.523	9.5861	23.561	6.21%	2.77%	6.80%	2.4578	9.5117	6.63%
037.42	18	18	341.93	33.894	347.69	24.140	4.0233	6.94%	31.016	19.330	36.546	9.07%	5.65%	10.69%	1.8906	18.988	6.63%
037.43	18	17	343.03	25.325	345.60	26.873	4.4788	7.78%	24.444	9.3643	26.176	7.13%	2.73%	7.63%	2.7953	11.455	6.64%
037.44	2	0															
037.52	2	0															
037.53	3	3	342.75	57.616	342.75	57.616	23.521	16.81%	53.516	30.186	61.442	15.61%	8.81%	17.93%	2.0354	39.833	6.65%
037.99	2	0															
038.41	2	0															
038.42	3	3	4.7067	0.28268	4.7067	0.28268	0.11540	6.01%	0.18228	0.30556	0.35580	3.87%	6.49%	7.56%	1.1644	0.36667	12.67%
038.43	9	9	5.2534	0.74034	5.1271	0.41308	0.09736	8.06%	0.65470	0.48880	0.81704	12.46%	9.30%	15.55%	1.6715	0.43430	12.51%
038.52	2	0															
038.53	4	4	5.9895	0.45934	5.9895	0.45934	0.16240	7.67%	0.14438	0.61669	0.63336	2.41%	10.30%	10.57%	1.0270	0.82950	12.22%
040.42	1		6.8850														
040.43	1		6.1884														
040.52	1		7.1000														
040.53	1		6.8570														
041.53	1		0.68400														
042.00	1		1.9950														
042.99	1		1.8050														
051.03	1		0.00000														
057.01	1		0.85000														
057.99	1		2.6400														
061.01	1		126.15														
061.02	8	7	129.19	8.3149	130.38	9.3468	2.3367	7.17%	8.2155	1.8134	8.4132	6.36%	1.40%	6.51%	4.6394	2.2875	7.69%

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
061.03	8	8	128.43	10.795	128.06	8.6679	2.1670	6.77%	10.687	2.1575	10.902	8.32%	1.68%	8.49%	5.0532	2.4275	7.71%
065.03	1		0.0000														
073.03	1		0.0000														
079.01	1		0.0000														
101.01	1		1,230.0														
102.01	1		46.750														
103.01	1		6.6600														
104.00	2	0															
104.03	1		3.8555														
105.00	1		5.1000														
106.00	1		16.876														
106.01	1		30.050														
106.02	24	21	26.813	10.136	27.738	8.4250	1.2422	30.37%	10.114	0.95322	10.159	37.72%	3.56%	37.89%	10.657	1.1928	24.36%
107.00	1		30.300														
108.01	2	0															
108.02	5	5	3.1890	0.89331	3.1890	0.89331	0.28249	28.01%	0.88924	0.12054	0.89737	27.88%	3.78%	28.14%	7.4445	0.12200	33.73%
108.99	1		3.8850														
109.02	22	18	111.48	25.574	112.11	31.618	4.8788	28.20%	25.538	1.9193	25.610	22.91%	1.72%	22.97%	13.344	2.4397	7.86%
109.99	1		84.850														
113.01	1		1.5050														
114.01	1		0.38500														
115.00	1		5.4550														
120.00	14	13	1.4012	0.03268	1.4079	0.03243	0.00613	2.30%	0.03037	0.01706	0.03484	2.17%	1.22%	2.49%	2.0418	0.02304	3.80%
120.01	2	0															
120.02	2	0															
120.05	1		1.3240														
121.00	14	13	3.0522	0.12389	3.0361	0.13201	0.02495	4.35%	0.12047	0.04091	0.12722	3.95%	1.34%	4.17%	3.1100	0.05789	3.38%
121.01	2	0															
121.02	2	0															
121.05	1		3.0060														
122.00	14	11	2.8996	0.07442	2.8822	0.09315	0.01827	3.23%	0.07212	0.02593	0.07665	2.49%	0.89%	2.64%	2.9553	0.03665	3.41%
122.01	2	0															
122.02	2	0															
122.05	1		2.7920														
124.00	14	13	0.46190	0.02487	0.46625	0.02179	0.00412	4.67%	0.02417	0.00830	0.02556	5.23%	1.80%	5.53%	3.0786	0.01049	4.49%
124.01	2	0															
124.02	2	0															
125.00	14	14	5.9368	0.18829	5.9305	0.18479	0.03492	3.12%	0.18269	0.06441	0.19372	3.08%	1.08%	3.26%	3.0076	0.07169	3.06%

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
125.01	2	0															
125.02	2	0															
125.05	1		5.6720														
126.00	14	14	1.6542	0.05870	1.6496	0.04637	0.00876	2.81%	0.05501	0.02897	0.06217	3.33%	1.75%	3.76%	2.1461	0.02965	3.71%
126.01	2	0															
126.02	2	0															
126.05	1		1.5935														
127.00	14	14	0.83584	0.04163	0.83987	0.02889	0.00546	3.44%	0.04071	0.01232	0.04254	4.87%	1.47%	5.09%	3.4518	0.01432	4.11%
127.01	2	0															
127.02	2	0															
127.05	1		0.81750														
128.00	14	13	1.0478	0.06850	1.0533	0.05510	0.01041	5.23%	0.06779	0.01396	0.06921	6.47%	1.33%	6.61%	4.9576	0.02040	3.97%
128.01	2	0															
128.02	2	0															
128.05	1		1.0845														
129.00	14	14	1.9438	0.08579	1.9489	0.06953	0.01314	3.57%	0.08492	0.01718	0.08665	4.37%	0.88%	4.46%	5.0420	0.01861	3.62%
129.01	2	0															
129.02	2	0															
129.05	1		1.9115														
130.00	14	13	1.5070	0.11289	1.4885	0.10184	0.01925	6.84%	0.11237	0.01537	0.11342	7.46%	1.02%	7.53%	7.3795	0.02081	3.77%
130.01	2	0															
130.02	2	0															
130.05	2	0															
131.00	14	13	0.43271	0.03367	0.43461	0.03631	0.00686	8.35%	0.03353	0.00432	0.03381	7.75%	1.00%	7.81%	7.8293	0.00477	4.53%
131.01	2	0															
131.02	2	0															
132.00	14	13	1.5585	0.05122	1.5639	0.04428	0.00868	2.83%	0.04908	0.02071	0.05327	3.15%	1.33%	3.42%	2.5716	0.02539	3.74%
132.01	2	0															
132.02	2	0															
132.05	1		1.5310														
133.00	14	13	1.4478	0.05809	1.4573	0.04362	0.00855	2.99%	0.05644	0.01942	0.05969	3.90%	1.34%	4.12%	3.0733	0.02192	3.78%
133.04	1		1.4400														
133.05	1		1.4640														
133.99	1		2.6200														
134.00	14	13	1.3853	0.05470	1.3870	0.05458	0.01070	3.94%	0.05199	0.02406	0.05729	3.75%	1.74%	4.14%	2.3811	0.02438	3.81%
134.01	2	0															
134.02	2	0															
134.05	1		1.3275														

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135.00	14	12	1.0709	0.05069	1.0692	0.03813	0.00721	3.57%	0.04885	0.01915	0.05247	4.56%	1.79%	4.90%	2.7398	0.02178	3.96%
135.01	2	0															
135.02	2	0															
135.05	1		1.0385														
136.00	3	2	0.42100	0.01273	0.38763	0.05849	0.02388	15.09%	0.01273	0.00000	0.01273	3.02%	0.00%	3.02%		0.00333	4.61%
136.01	2	0															
136.02	2	0															
136.03	3	2	0.39050	0.00000	0.39783	0.01270	0.00519	3.19%		0.00212			0.54%			0.00567	4.59%
136.99	2	0															
137.00	10	9	0.92911	0.05400	0.91665	0.06419	0.01435	7.00%	0.05350	0.01038	0.05450	5.76%	1.12%	5.87%	5.2525	0.01599	4.05%
137.01	2	0															
137.02	2	0															
137.05	1		0.92250														
138.00	14	14	1.3747	0.08763	1.3780	0.08759	0.01655	6.36%	0.08700	0.01485	0.08826	6.33%	1.08%	6.42%	5.9437	0.01737	3.81%
138.01	2	0															
138.02	2	0															
138.05	1		1.5005														
139.00	2	0															
139.02	2	0															
160.99	4	3	0.03748	0.03246	0.06311	0.05771	0.02040	91.43%	0.03246	0.00090	0.03247	86.59%	2.39%	86.62%	36.263	0.00573	6.06%
161.99	2	0															
162.99	4	3	0.04188	0.04013	0.04666	0.03413	0.01207	73.15%	0.04013	0.00094	0.04014	95.81%	2.24%	95.83%	42.747	0.00308	6.34%
163.99	4	0			0.00000	0.00000	0.00000									0.00000	#DIV/0!
164.99	4	3	0.02910	0.05040	0.06558	0.08376	0.02961	127.73%	0.05040	0.00016	0.05040	173.20%	0.56%	173.21%	308.65	0.00210	6.03%
165.99	7	7	1.4423	0.42818	1.4835	0.28303	0.07564	19.08%	0.42815	0.00817	0.42822	29.69%	0.57%	29.69%	52.428	0.00971	3.77%
166.99	1		3.2035														
167.99	1		0.24300														
200.99	1		0.01000														
210.99	1		1.8600														
400.01	3	2	0.60100	0.00141	0.60183	0.00176	0.00072	0.29%	0.00141	0.00010	0.00142	0.24%	0.02%	0.24%	14.160	0.00173	#DIV/0!
400.99	1		0.57050														
516.00	3	3	0.09317	0.02924	0.09317	0.02924	0.01194	31.39%	0.02543	0.02042	0.03261	27.29%	21.91%	35.00%	1.5973	0.01967	22.86%
516.43	2	0															
516.52	1		0.39450														
516.53	6	5	0.12404	0.01899	0.13095	0.02210	0.00638	16.87%	0.01810	0.00808	0.01983	14.60%	6.52%	15.98%	2.4524	0.00827	21.72%
518.34	2	0															
518.41	3	2	0.09938	0.02740	0.08692	0.02900	0.01184	33.37%	0.02740	0.00025	0.02740	27.57%	0.25%	27.57%	109.60	0.00617	23.10%
518.43	3	3	0.05713	0.08225	0.05713	0.08225	0.03358	143.96%	0.07852	0.03463	0.08582	137.43%	60.61%	150.20%	2.4781	0.03827	24.61%

Method Code	Total # Labs Submitting	# Labs Included in Calculations	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
518.52	1		0.09950														
518.53	7	6	0.10534	0.01439	0.11232	0.01213	0.00324	10.80%	0.01390	0.00526	0.01486	13.19%	4.99%	14.10%	2.8257	0.00961	22.23%
520.31	1		8.5900														
520.41	1		3.3698														
520.43	5	5	6.4132	3.1799	6.4132	3.1799	1.0056	49.58%	2.9813	1.5646	3.3669	46.49%	24.40%	52.50%	2.1519	1.3607	12.09%
520.52	1		3.3500														
520.53	3	2	4.2953	0.31070	5.4005	1.9269	0.78665	35.68%	0.29554	0.13560	0.32516	6.88%	3.16%	7.57%	2.3980	1.6452	12.41%
520.99	1		2.7950														
526.31	2	0															
526.34	2	0															
526.43	3	2	0.00000	0.00000	0.05238	0.09073	0.03704	173.21%	0.00000	0.00000	0.00000					0.02437	24.93%
526.52	2	0															
526.53	6	6	0.24186	0.05983	0.24771	0.05584	0.01612	22.54%	0.05938	0.01037	0.06027	24.55%	4.29%	24.92%	5.8136	0.01298	19.74%
529.00	2	0															
529.99	1		0.00000														
539.41	1		2.6873														
539.43	3	2	2.6563	0.74571	5.2909	4.5936	1.8753	86.82%	0.72706	0.23443	0.76392	27.37%	8.83%	28.76%	3.2586	1.9215	12.45%
539.52	1		5.0500														
539.53	2	0															
600.01	4	3	0.58333	0.57518												0.22500	
600.03	1		0.00000														
600.20	1		0.00000														
610.01	1		200.00														
620.04	1		0.00000														
630.01	1		0.00000														
640.01	2	0															
650.01	1		43.000														