

AAFCO Check Sample Program

All Methods Report

Sort by Method

Proficiency For Individual Methods

Sample # 201424

Pelleted Beef Feed, Medicated



AAFCO

Check Sample Program

Issue Date : 05/31/2014

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		0.40000														
000.99	1		0.00500														
001.00	5	4	7.0449	1.2885	7.0829	1.1191	0.35388	15.80%	1.2877	0.06156	1.2892	18.28%	0.87%	18.30%	20.941	0.14820	2.98%
001.03	13	12	7.1768	0.07461	7.1601	0.07353	0.01442	1.03%	0.07401	0.01337	0.07520	1.03%	0.19%	1.05%	5.6249	0.01387	2.97%
001.05	1		7.0000														
001.07	37	31	7.0152	0.39654	7.0407	0.30532	0.03598	4.34%	0.39233	0.08151	0.40071	5.59%	1.16%	5.71%	4.9160	0.11292	2.98%
001.08	3	3	7.1883	0.10563	7.1883	0.10563	0.04312	1.47%		0.15476			2.15%			0.21000	2.97%
001.99	17	14	7.1421	0.30334	7.0454	0.26709	0.04721	3.79%	0.30072	0.05625	0.30594	4.21%	0.79%	4.28%	5.4387	0.06344	2.98%
002.00	5	4	16.408	1.2011	16.162	1.1762	0.37194	7.28%	1.2008	0.04153	1.2015	7.32%	0.25%	7.32%	28.929	0.12800	2.63%
002.01	16	15	15.328	0.21715	15.321	0.23207	0.04237	1.51%	0.20939	0.08137	0.22464	1.37%	0.53%	1.47%	2.7607	0.09087	2.65%
002.02	5	5	15.334	0.39621	15.334	0.39621	0.12529	2.58%	0.39241	0.07744	0.39998	2.56%	0.51%	2.61%	5.1649	0.09278	2.65%
002.04	6	6	15.178	0.23112	15.178	0.26209	0.07566	1.73%	0.22155	0.09309	0.24031	1.46%	0.61%	1.58%	2.5814	0.10667	2.66%
002.05	40	36	15.329	0.13418	15.317	0.12230	0.01403	0.80%	0.12645	0.06350	0.14150	0.82%	0.41%	0.92%	2.2284	0.07108	2.65%
002.06	134	122	15.535	0.24801	15.535	0.22185	0.01381	1.43%	0.24028	0.08687	0.25550	1.55%	0.56%	1.64%	2.9411	0.10295	2.65%
002.08	3	2	15.751	0.77941	15.647	0.57966	0.23664	3.70%	0.77940	0.00495	0.77942	4.95%	0.03%	4.95%	157.46	0.06997	2.64%
002.10	1		15.745														
002.11	4	4	14.948	1.1758	14.948	1.1758	0.41571	7.87%	1.1722	0.13058	1.1794	7.84%	0.87%	7.89%	9.0324	0.13000	2.66%
002.99	2	0															
003.00	17	17	5.6200	0.32615	5.6387	0.30822	0.05286	5.47%	0.31231	0.13297	0.33944	5.56%	2.37%	6.04%	2.5528	0.13867	3.08%
003.01	3	3	5.8058	0.23751	5.8058	0.23751	0.09696	4.09%	0.21018	0.15644	0.26201	3.62%	2.69%	4.51%	1.6748	0.22123	3.07%
003.06	23	20	5.4741	0.15484	5.4660	0.16056	0.02367	2.94%	0.13999	0.09359	0.16839	2.56%	1.71%	3.08%	1.7993	0.09474	3.10%
003.09	24	22	5.5196	0.15343	5.5165	0.12372	0.01786	2.24%	0.14679	0.06312	0.15979	2.66%	1.14%	2.89%	2.5314	0.06788	3.09%
003.10	30	26	5.3579	0.15866	5.3598	0.18702	0.02456	3.49%	0.15171	0.06566	0.16531	2.83%	1.23%	3.09%	2.5175	0.08603	3.11%
003.11	3	3	6.1250	0.29551	6.1250	0.29551	0.12064	4.82%	0.29368	0.04637	0.29732	4.79%	0.76%	4.85%	6.4122	0.05667	3.04%
003.12	8	8	5.4162	0.14332	5.4147	0.07933	0.01983	1.47%	0.14283	0.01686	0.14382	2.64%	0.31%	2.66%	8.5326	0.01981	3.10%
003.13	9	8	5.3819	0.16947	5.3666	0.13709	0.03427	2.55%	0.16785	0.03307	0.17108	3.12%	0.61%	3.18%	5.1729	0.03875	3.11%
003.14	34	31	5.3356	0.39892	5.3462	0.26453	0.03256	4.95%	0.39193	0.10514	0.40579	7.35%	1.97%	7.61%	3.8594	0.13609	3.11%

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003.99	3	2	5.4100	0.26870	5.6233	0.41549	0.16962	7.39%	0.25720	0.11000	0.27973	4.75%	2.03%	5.17%	2.5430	1.1067	3.08%
004.00	22	22	16.444	0.93764	16.466	0.75418	0.11370	4.58%	0.91602	0.28309	0.95877	5.57%	1.72%	5.83%	3.3868	0.32319	2.62%
004.01	1		18.900														
004.03	6	6	17.157	1.2605	16.983	1.1348	0.32760	6.68%	1.2317	0.37901	1.2887	7.18%	2.21%	7.51%	3.4002	0.35000	2.61%
004.06	38	33	16.803	1.1583	16.664	1.0456	0.12155	6.27%	1.1534	0.15041	1.1632	6.86%	0.90%	6.92%	7.7337	0.17671	2.62%
004.07	57	55	15.804	1.1609	15.797	1.0814	0.10218	6.85%	1.1520	0.20359	1.1698	7.29%	1.29%	7.40%	5.7462	0.22238	2.64%
004.11	2	0															
004.99	1		15.650														
005.00	103	91	10.476	0.32148	10.490	0.27486	0.01953	2.62%	0.31641	0.08040	0.32647	3.02%	0.77%	3.12%	4.0604	0.10072	2.81%
005.01	1		10.210														
005.02	1		10.750														
005.05	33	30	10.744	0.14013	10.729	0.15604	0.01951	1.45%	0.13302	0.06234	0.14690	1.24%	0.58%	1.37%	2.3564	0.06151	2.80%
005.11	4	4	7.2313	1.4214	7.2313	1.4214	0.50254	19.66%	1.4187	0.12263	1.4240	19.62%	1.70%	19.69%	11.613	0.15250	2.97%
005.99	10	9	10.571	0.28525	10.622	0.12817	0.02866	1.21%	0.28153	0.06489	0.28892	2.66%	0.61%	2.73%	4.4522	0.09000	2.80%
006.00	4	4	2.7750	2.1189	2.7750	2.1189	0.74913	76.36%	2.1066	0.32144	2.1310	75.92%	11.58%	76.79%	6.6296	0.36500	3.43%
006.01	2	0															
006.99	8	7	4.3064	1.5799	4.3921	1.6017	0.40043	36.47%	1.5793	0.06530	1.5806	36.67%	1.52%	36.70%	24.205	0.09625	3.20%
008.02	12	9	22.994	1.4833	23.044	2.0759	0.44258	9.01%	1.4814	0.10563	1.4852	6.44%	0.46%	6.46%	14.060	0.16673	2.49%
008.05	1		21.650														
008.08	32	29	20.330	1.6376	20.257	1.6415	0.20847	8.10%	1.6187	0.35099	1.6563	7.96%	1.73%	8.15%	4.7190	0.42441	2.54%
008.99	1		19.375														
009.04	1		33.010														
009.07	8	7	37.547	2.0047	37.327	1.7861	0.47735	4.79%	2.0027	0.12417	2.0066	5.33%	0.33%	5.34%	16.160	0.14900	2.32%
009.09	32	29	34.361	2.5447	34.375	2.9458	0.37412	8.57%	2.5153	0.54576	2.5738	7.32%	1.59%	7.49%	4.7160	0.68742	2.35%
009.99	1		36.070														
010.03	3	3	6.7350	0.04359	6.7350	0.04359	0.01780	0.65%		0.13185			1.96%			0.16333	3.00%
010.11	4	4	7.7338	0.64998	7.7338	0.64998	0.22980	8.40%	0.64887	0.05374	0.65109	8.39%	0.69%	8.42%	12.117	0.06250	2.94%
010.99	11	11	7.1427	0.67461	7.1016	0.67684	0.14430	9.53%	0.67223	0.08006	0.67698	9.41%	1.12%	9.48%	8.4562	0.08182	2.98%
011.01	71	66	8.1390	0.39741	8.1319	0.40717	0.03441	5.01%	0.39094	0.10103	0.40378	4.80%	1.24%	4.96%	3.9966	0.12499	2.92%
011.02	2	0															
011.03	1		8.0550														
011.99	3	3	7.8217	0.36388	7.8217	0.36388	0.14855	4.65%	0.35623	0.10496	0.37137	4.55%	1.34%	4.75%	3.5382	0.13667	2.93%
012.00	13	12	13.498	0.33391	13.434	0.37756	0.07405	2.81%	0.32800	0.08844	0.33971	2.43%	0.66%	2.52%	3.8413	0.11154	2.71%
012.01	5	4	12.081	0.64590	13.024	2.1835	0.69048	16.76%	0.62824	0.21213	0.66309	5.20%	1.76%	5.49%	3.1258	0.28000	2.72%
012.03	4	3	12.305	0.81583	12.105	0.77699	0.27471	6.42%	0.81580	0.00913	0.81585	6.63%	0.07%	6.63%	89.372	0.18500	2.75%
012.04	5	5	12.870	1.3814	12.870	1.3814	0.43685	10.73%	1.3700	0.25096	1.3928	10.64%	1.95%	10.82%	5.5499	0.28000	2.72%
012.11	4	4	14.115	1.0450	14.115	1.0450	0.36947	7.40%	1.0443	0.05268	1.0457	7.40%	0.37%	7.41%	19.850	0.06500	2.69%
013.00	17	16	6.3319	0.43938	6.3005	0.48165	0.08260	7.64%	0.40907	0.22678	0.46773	6.46%	3.58%	7.39%	2.0624	0.23059	3.03%

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013.02	23	21	6.6526	0.33638	6.6864	0.29424	0.04436	4.40%	0.32064	0.14382	0.35142	4.82%	2.16%	5.28%	2.4435	0.18227	3.00%
013.08	1		4.7050														
013.10	9	8	6.2036	0.48159	6.1050	0.27562	0.06496	4.51%	0.47802	0.08279	0.48513	7.71%	1.33%	7.82%	5.8596	0.11489	3.05%
013.12	2	0															
013.13	3	3	7.2567	0.90996	7.2567	0.90996	0.37149	12.54%	0.89146	0.25820	0.92810	12.28%	3.56%	12.79%	3.5945	0.26667	2.97%
015.41	6	6	112.75	16.641	112.10	17.680	5.1039	15.77%	16.484	3.2163	16.795	14.62%	2.85%	14.90%	5.2219	3.2021	7.86%
015.42	1		110.75														
015.43	7	6	98.241	12.730	94.115	5.8196	1.5554	6.18%	11.853	6.5657	13.550	12.07%	6.68%	13.79%	2.0638	10.473	8.07%
015.53	1		125.00														
017.41	2	0															
017.42	4	4	5.4738	1.2731	5.4738	1.2731	0.45011	23.26%	1.2401	0.40726	1.3053	22.66%	7.44%	23.85%	3.2050	0.42250	12.39%
017.43	5	4	5.1475	0.88943	4.6180	1.4125	0.44667	30.59%	0.88770	0.07842	0.89116	17.25%	1.52%	17.31%	11.364	0.27600	12.71%
017.99	1		5.1000														
019.00	23	20	2.0459	0.05868	2.0426	0.05802	0.00895	2.84%	0.05681	0.02074	0.06048	2.78%	1.01%	2.96%	2.9165	0.02033	3.59%
019.03	1		2.2031														
019.08	9	8	2.0925	0.06515	2.0736	0.07083	0.01670	3.42%	0.06173	0.02945	0.06840	2.95%	1.41%	3.27%	2.3223	0.03711	3.58%
019.09	1		1.8560														
019.31	33	28	2.0761	0.09074	2.0705	0.08596	0.01075	4.15%	0.08904	0.02470	0.09241	4.29%	1.19%	4.45%	3.7409	0.03327	3.58%
019.32	6	6	2.1525	0.03325	2.1543	0.03419	0.00987	1.59%		0.06228			2.89%			0.06243	3.56%
019.33	2	0															
019.41	38	36	2.0820	0.10674	2.0958	0.10341	0.01186	4.93%	0.10427	0.03232	0.10916	5.01%	1.55%	5.24%	3.3771	0.03888	3.58%
019.42	19	16	2.1167	0.08693	2.1057	0.08070	0.01384	3.83%	0.08499	0.02588	0.08884	4.02%	1.22%	4.20%	3.4328	0.03202	3.58%
019.43	22	20	2.0887	0.10600	2.0871	0.06843	0.01056	3.28%	0.10192	0.04121	0.10993	4.88%	1.97%	5.26%	2.6679	0.04588	3.58%
019.44	3	3	2.1317	0.04368	2.1317	0.04368	0.01783	2.05%	0.04163	0.01871	0.04564	1.95%	0.88%	2.14%	2.4398	0.02333	3.57%
019.52	2	0															
019.53	1		2.2235														
019.99	6	5	1.9238	0.17215	1.9238	0.17215	0.05444	8.95%	0.15193	0.11450	0.19024	7.90%	5.95%	9.89%	1.6615	0.12600	3.62%
021.00	1		1.1100														
021.31	4	3	2.2050	0.71908	2.0538	0.66047	0.23351	32.16%	0.71903	0.01225	0.71913	32.61%	0.56%	32.61%	58.717	0.05750	14.35%
021.34	1		2.1150														
021.41	4	4	1.5672	0.57960	1.5672	0.57960	0.20492	36.98%	0.57799	0.06108	0.58120	36.88%	3.90%	37.09%	9.5150	0.07480	14.95%
021.42	2	0															
021.43	7	7	1.8716	0.35121	1.9257	0.29679	0.07932	15.41%	0.34093	0.11933	0.36121	18.22%	6.38%	19.30%	3.0269	0.12853	14.49%
021.52	1		0.93100														
021.53	4	4	1.7175	0.34642	1.7175	0.34642	0.12248	20.17%	0.26443	0.31650	0.41243	15.40%	18.43%	24.01%	1.3031	0.41500	14.75%
021.99	1		1.0000														
022.31	18	16	12.171	1.6643	12.506	1.3351	0.22897	10.68%	1.6325	0.45842	1.6956	13.41%	3.77%	13.93%	3.6988	0.49365	10.94%
022.32	4	4	18.704	2.7140	18.704	2.7140	0.95955	14.51%	2.3477	1.9256	3.0364	12.55%	10.30%	16.23%	1.5768	2.0325	10.29%

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022.33	2	0															
022.41	32	30	13.011	2.4646	12.592	2.4251	0.30314	19.26%	2.4326	0.55936	2.4961	18.70%	4.30%	19.18%	4.4624	0.59825	10.93%
022.42	16	15	16.768	2.0998	16.455	1.5374	0.27178	9.34%	2.0043	0.88545	2.1912	11.95%	5.28%	13.07%	2.4746	0.89521	10.49%
022.43	16	15	15.513	1.8708	15.381	1.2947	0.22887	8.42%	1.8264	0.57309	1.9142	11.77%	3.69%	12.34%	3.3401	0.54500	10.60%
022.44	1		13.550														
022.53	3	3	14.417	2.5614	14.417	2.5614	1.0457	17.77%	2.4906	0.84558	2.6303	17.28%	5.87%	18.24%	3.1106	0.90000	10.71%
022.99	2	0															
023.01	1		0.00040														
025.31	20	17	219.14	28.193	217.99	31.479	5.1066	14.44%	28.098	3.2689	28.288	12.82%	1.49%	12.91%	8.6537	4.9018	7.11%
025.32	4	4	218.36	24.264	218.36	24.264	8.5787	11.11%	23.674	7.5235	24.841	10.84%	3.45%	11.38%	3.3018	8.7300	7.11%
025.33	2	0															
025.41	33	31	212.64	13.542	213.90	13.549	1.6677	6.33%	13.077	4.9714	13.990	6.15%	2.34%	6.58%	2.8142	6.0477	7.13%
025.42	16	14	204.16	14.092	204.55	14.462	2.6405	7.07%	13.530	5.5752	14.633	6.63%	2.73%	7.17%	2.6247	6.9284	7.18%
025.43	19	18	208.77	31.777	211.79	32.048	5.1988	15.13%	31.187	8.6189	32.356	14.94%	4.13%	15.50%	3.7541	11.019	7.14%
025.52	1		172.75														
025.53	1		234.00														
025.99	2	0															
027.31	17	14	0.35833	0.00940	0.36028	0.01084	0.00192	3.01%	0.00900	0.00385	0.00979	2.51%	1.07%	2.73%	2.5419	0.00459	4.66%
027.32	4	4	0.37239	0.01702	0.37239	0.01702	0.00602	4.57%	0.01546	0.01007	0.01844	4.15%	2.70%	4.95%	1.8324	0.01108	4.64%
027.33	2	0															
027.34	1		0.33150														
027.41	28	27	0.37195	0.01945	0.36734	0.00993	0.00135	2.70%	0.01848	0.00858	0.02038	4.97%	2.31%	5.48%	2.3752	0.00827	4.65%
027.42	14	12	0.37210	0.01531	0.37140	0.01602	0.00314	4.31%	0.01486	0.00522	0.01575	3.99%	1.40%	4.23%	3.0179	0.00728	4.64%
027.43	17	16	0.36094	0.02127	0.35850	0.02599	0.00446	7.25%	0.01961	0.01166	0.02282	5.43%	3.23%	6.32%	1.9563	0.01209	4.67%
027.44	2	0															
027.52	1		0.32390														
027.53	1		0.38175														
027.99	3	3	0.35800	0.03061	0.35800	0.03061	0.01250	8.55%	0.02990	0.00927	0.03130	8.35%	2.59%	8.74%	3.3757	0.01133	4.67%
028.31	20	20	119.65	8.4566	119.57	8.3978	1.3278	7.02%	8.3895	1.5036	8.5231	7.01%	1.26%	7.12%	5.6686	1.7160	7.79%
028.32	4	4	128.10	5.4929	128.10	5.4929	1.9420	4.29%	4.7146	3.9859	6.1738	3.68%	3.11%	4.82%	1.5489	4.5500	7.71%
028.33	2	0															
028.41	32	32	122.02	7.9051	121.70	7.6516	0.95645	6.29%	7.7083	2.4788	8.0971	6.32%	2.03%	6.64%	3.2665	2.7896	7.77%
028.42	17	17	130.67	7.9737	130.77	7.7931	1.3365	5.96%	7.8039	2.3151	8.1400	5.97%	1.77%	6.23%	3.5161	2.7201	7.68%
028.43	18	16	124.56	6.8790	126.35	7.9415	1.3236	6.29%	6.5532	2.9587	7.1901	5.26%	2.38%	5.77%	2.4302	3.3828	7.72%
028.44	2	0															
028.53	2	0															
028.99	2	0															
031.00	2	0															

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
031.01	60	55	0.81549	0.03271	0.81592	0.03184	0.00293	3.90%	0.03184	0.01061	0.03356	3.90%	1.30%	4.11%	3.1641	0.01269	4.12%
031.02	4	3	0.82667	0.01155	0.82371	0.01113	0.00393	1.35%	0.01155	0.00000	0.01155	1.40%	0.00%	1.40%		0.00048	4.12%
031.03	4	3	0.81142	0.02886	0.60856	0.40639	0.14368	66.78%	0.02884	0.00141	0.02888	3.55%	0.17%	3.56%	20.513	0.00118	4.31%
031.06	2	0															
031.41	37	35	0.82425	0.03964	0.82280	0.04142	0.00488	5.03%	0.03764	0.01759	0.04155	4.57%	2.13%	5.04%	2.3623	0.01863	4.12%
031.42	19	17	0.82341	0.04082	0.81800	0.04631	0.00772	5.66%	0.03991	0.01210	0.04171	4.85%	1.47%	5.07%	3.4460	0.01433	4.12%
031.43	21	19	0.81439	0.03546	0.81910	0.03920	0.00620	4.79%	0.03286	0.01885	0.03788	4.03%	2.32%	4.65%	2.0093	0.02294	4.12%
031.44	2	0															
031.52	1		0.75000														
031.53	2	0															
031.99	7	6	0.78158	0.07992	0.78347	0.05560	0.01486	7.10%	0.07973	0.00764	0.08010	10.20%	0.98%	10.25%	10.480	0.01271	4.15%
032.02	5	5	0.95630	0.08689	0.95630	0.08689	0.02748	9.09%	0.08606	0.01691	0.08771	9.00%	1.77%	9.17%	5.1856	0.02220	4.03%
032.08	1		1.0515														
032.31	17	16	0.99010	0.04794	0.98911	0.04854	0.00833	4.91%	0.04624	0.01790	0.04958	4.67%	1.81%	5.01%	2.7694	0.01957	4.01%
032.32	2	0															
032.41	27	25	1.0087	0.08491	1.0028	0.08799	0.01197	8.77%	0.08339	0.02264	0.08641	8.27%	2.24%	8.57%	3.8163	0.02554	4.00%
032.42	16	14	1.0667	0.05059	1.0707	0.05241	0.00926	4.89%	0.04938	0.01555	0.05177	4.63%	1.46%	4.85%	3.3296	0.02949	3.96%
032.43	16	15	1.0329	0.06587	1.0420	0.06576	0.01163	6.31%	0.06358	0.02435	0.06808	6.16%	2.36%	6.59%	2.7966	0.02879	3.98%
032.44	2	0															
032.52	1		0.93175														
032.53	2	0															
032.99	2	0															
033.00	33	31	0.52365	0.12872	0.54146	0.09037	0.01130	16.69%	0.12852	0.01007	0.12892	24.54%	1.92%	24.62%	12.800	0.00990	4.39%
033.01	41	38	0.64091	0.03413	0.63713	0.02091	0.00234	3.28%	0.03381	0.00654	0.03444	5.28%	1.02%	5.37%	5.2659	0.00726	4.28%
033.03	6	5	0.49500	0.01581	0.49963	0.02056	0.00594	4.12%		0.02387			4.82%			0.02500	4.44%
033.05	6	6	0.62400	0.07168	0.61273	0.05504	0.01589	8.98%	0.07093	0.01462	0.07242	11.37%	2.34%	11.61%	4.9545	0.01300	4.31%
033.99	9	8	0.55969	0.07444	0.53740	0.08093	0.01908	15.06%	0.07334	0.01803	0.07553	13.10%	3.22%	13.49%	4.1891	0.02109	4.39%
034.01	3	3	0.45667	0.03215	0.45667	0.03215	0.01312	7.04%	0.03072	0.01339	0.03351	6.73%	2.93%	7.34%	2.5024	0.01533	18.00%
034.04	8	8	0.43363	0.05709	0.43363	0.06474	0.01619	14.93%	0.05560	0.01831	0.05854	12.82%	4.22%	13.50%	3.1966	0.01875	18.14%
034.31	1		2.6450														
034.41	1		0.45950														
034.42	1		0.29500														
034.43	3	2	0.23500	0.33234	0.27667	0.24583	0.10036	88.85%	0.33166	0.03000	0.33302	141.13%	12.77%	141.71%	11.101	0.18000	19.41%
034.52	2	0															
034.53	7	6	0.48000	0.09905	0.48000	0.11232	0.03242	23.40%	0.08770	0.06509	0.10922	18.27%	13.56%	22.75%	1.6779	0.06933	17.87%
034.99	2	0															
035.01	3	3	0.21783	0.00076	0.21783	0.00076	0.00031	0.35%		0.00235			1.08%			0.00300	5.03%
035.05	8	8	0.22094	0.01518	0.22202	0.01525	0.00381	6.87%	0.01301	0.01107	0.01708	5.89%	5.01%	7.73%	1.5433	0.01263	5.02%

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 sr	Reproducibility sR	Between Labs %RSD	Within Labs %rsd	Reproducibility %RSD	sR/sr	Average Range (R-bar)	Horwitz %RSD
035.31	19	17	0.22155	0.00524	0.22145	0.00654	0.00106	2.95%	0.00250	0.00651	0.00698	1.13%	2.94%	3.15%	1.0712	0.00621	5.02%
035.32	3	3	0.23285	0.03974	0.23285	0.03974	0.01623	17.07%	0.03963	0.00418	0.03985	17.02%	1.79%	17.12%	9.5355	0.00437	4.98%
035.41	31	31	0.22070	0.01452	0.22011	0.01373	0.00174	6.24%	0.01384	0.00623	0.01518	6.27%	2.82%	6.88%	2.4350	0.00648	5.02%
035.42	15	14	0.23116	0.01671	0.23161	0.01684	0.00307	7.27%	0.01603	0.00670	0.01737	6.93%	2.90%	7.51%	2.5941	0.00587	4.98%
035.43	15	14	0.22306	0.01623	0.22267	0.01638	0.00309	7.35%	0.01515	0.00825	0.01725	6.79%	3.70%	7.73%	2.0898	0.00948	5.01%
035.52	1		0.20015														
035.53	2	0															
035.99	3	3	0.23633	0.08016	0.23633	0.08016	0.03272	33.92%	0.08005	0.00600	0.08027	33.87%	2.54%	33.96%	13.378	0.00800	4.97%
036.04	3	2	0.27500	0.02121	0.26833	0.01893	0.00773	7.05%	0.02121	0.00000	0.02121	7.71%	0.00%	7.71%		0.00333	4.88%
036.42	16	15	0.28602	0.02139	0.28527	0.02263	0.00413	7.93%	0.02043	0.00896	0.02231	7.14%	3.13%	7.80%	2.4889	0.00865	4.83%
036.43	10	10	0.27900	0.02216	0.27318	0.01513	0.00338	5.54%	0.02099	0.01007	0.02328	7.52%	3.61%	8.34%	2.3109	0.01020	4.86%
036.99	2	0															
037.31	23	20	93.751	5.4381	94.548	5.5506	0.83679	5.87%	5.0099	2.9914	5.8350	5.34%	3.19%	6.22%	1.9506	3.3568	8.07%
037.32	4	4	98.688	5.8287	98.688	5.8287	2.0608	5.91%	5.7206	1.5800	5.9348	5.80%	1.60%	6.01%	3.7563	1.8750	8.01%
037.33	2	0															
037.41	32	30	94.725	7.2388	94.390	8.3132	1.0558	8.81%	6.9925	2.6476	7.4770	7.38%	2.80%	7.89%	2.8241	3.0216	8.07%
037.42	16	14	102.80	7.6661	102.15	7.6017	1.3879	7.44%	7.3761	2.9539	7.9456	7.18%	2.87%	7.73%	2.6899	3.6229	7.97%
037.43	19	16	95.250	6.0895	95.124	6.6556	1.1414	7.00%	5.9410	1.8908	6.2346	6.24%	1.99%	6.55%	3.2973	2.7076	8.06%
037.44	1		94.300														
037.53	2	0															
037.99	3	3	89.767	4.9813	89.767	4.9813	2.0336	5.55%	4.4606	3.1358	5.4525	4.97%	3.49%	6.07%	1.7388	3.6667	8.13%
038.41	3	3	1.6308	0.16372	1.6308	0.16372	0.06684	10.04%	0.15943	0.05268	0.16791	9.78%	3.23%	10.30%	3.1870	0.07343	14.86%
038.42	3	2	0.96000	0.00707	1.3400	0.65820	0.26871	49.12%		0.20555			21.41%			0.22000	15.31%
038.43	8	7	1.6902	0.60295	1.6902	0.68375	0.18274	40.45%	0.60035	0.07917	0.60555	35.52%	4.68%	35.83%	7.6483	0.09367	14.78%
038.52	1		0.77100														
038.53	3	3	1.8492	0.32435	1.8492	0.32435	0.13241	17.54%	0.30627	0.15101	0.34147	16.56%	8.17%	18.47%	2.2613	0.16833	14.58%
038.99	1		1.2000														
040.42	1		10.450														
040.53	1		9.1175														
040.99	1		9.6000														
041.53	1		0.41600														
042.00	1		0.35000														
057.00	1		0.07500														
057.01	2	0															
065.00	1		41.750														
065.03	7	7	41.448	5.1777	40.541	3.2499	0.86856	8.02%	4.9414	2.1871	5.4038	11.92%	5.28%	13.04%	2.4708	2.2414	9.16%
065.04	6	6	42.162	1.2443	42.100	1.2909	0.37265	3.07%	1.0641	0.91214	1.4016	2.52%	2.16%	3.32%	1.5366	1.0188	9.11%
065.99	6	6	40.583	5.7984	41.083	2.9592	0.85424	7.20%	5.5779	2.2398	6.0108	13.74%	5.52%	14.81%	2.6837	1.9000	9.14%

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
102.01	1		108.50														
103.01	1		9.7750														
104.00	1		2.7850														
104.03	1		3.4500														
105.00	1		7.4150														
106.00	1		2.1750														
106.01	1		3.5505														
106.02	20	18	2.7445	1.5464	2.9092	1.6419	0.25961	56.44%	1.5350	0.26423	1.5576	55.93%	9.63%	56.75%	5.8949	0.37816	34.20%
107.00	1		12.250														
108.01	1		0.24500														
108.02	3	3	1.2117	0.73144	1.2117	0.73144	0.29861	60.37%	0.72934	0.07842	0.73354	60.19%	6.47%	60.54%	9.3538	0.09667	39.02%
109.02	19	17	20.892	13.273	20.610	11.653	1.9421	56.54%	13.267	0.57278	13.279	63.50%	2.74%	63.56%	23.183	0.71806	10.15%
110.99	1		8.3800														
113.01	1		0.91450														
114.01	1		0.26500														
120.00	15	14	0.86452	0.01988	0.85978	0.01645	0.00300	1.91%	0.01813	0.01153	0.02149	2.10%	1.33%	2.49%	1.8633	0.01467	4.09%
120.01	2	0															
120.02	2	0															
120.05	2	0															
121.00	15	13	0.85492	0.02860	0.86017	0.03220	0.00608	3.74%	0.02820	0.00671	0.02899	3.30%	0.79%	3.39%	4.3190	0.00784	4.09%
121.01	3	3	0.86167	0.10136	0.86167	0.10136	0.04138	11.76%	0.09922	0.02930	0.10346	11.52%	3.40%	12.01%	3.5306	0.03733	4.09%
121.02	2	0															
121.05	2	0															
122.00	15	15	1.1148	0.02895	1.1154	0.02535	0.00463	2.27%	0.02823	0.00908	0.02965	2.53%	0.81%	2.66%	3.2661	0.00982	3.93%
122.01	3	3	1.0497	0.11221	1.0497	0.11221	0.04581	10.69%	0.11191	0.01162	0.11251	10.66%	1.11%	10.72%	9.6834	0.01533	3.97%
122.02	2	0															
122.05	2	0															
124.00	15	14	0.28891	0.01413	0.28847	0.00879	0.00166	3.05%	0.01312	0.00744	0.01508	4.54%	2.58%	5.22%	2.0259	0.00785	4.82%
124.01	1		0.26800														
124.02	3	3	0.32167	0.01041	0.32167	0.01041	0.00425	3.24%		0.01691			5.26%			0.01800	4.74%
124.99	1		0.15800														
125.00	15	13	2.6087	0.05867	2.6030	0.06221	0.01136	2.39%	0.05453	0.03061	0.06254	2.09%	1.17%	2.40%	2.0428	0.03532	3.46%
125.01	3	3	2.5622	0.09928	2.5622	0.09928	0.04053	3.87%	0.09644	0.03337	0.10205	3.76%	1.30%	3.98%	3.0581	0.04700	3.47%
125.02	2	0															
125.05	2	0															
126.00	15	15	0.70788	0.01747	0.70718	0.01817	0.00332	2.57%	0.01659	0.00778	0.01832	2.34%	1.10%	2.59%	2.3558	0.00895	4.21%
126.01	3	3	0.64783	0.06907	0.64783	0.06907	0.02820	10.66%	0.06892	0.00654	0.06923	10.64%	1.01%	10.69%	10.578	0.00900	4.27%
126.02	2	0															

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126.05	2	0															
127.00	15	13	0.40743	0.01297	0.40352	0.00879	0.00161	2.18%	0.01261	0.00429	0.01332	3.09%	1.05%	3.27%	3.1055	0.00599	4.59%
127.01	1		0.32200														
127.02	2	0															
127.05	2	0															
128.00	15	15	0.50653	0.01813	0.50742	0.01094	0.00200	2.16%	0.01739	0.00727	0.01885	3.43%	1.44%	3.72%	2.5910	0.00860	4.43%
128.01	3	3	0.51650	0.08436	0.51650	0.08436	0.03444	16.33%	0.08210	0.02746	0.08657	15.89%	5.32%	16.76%	3.1522	0.03167	4.42%
128.02	2	0															
128.05	2	0															
129.00	15	12	1.2047	0.01840	1.2048	0.02331	0.00441	1.93%	0.01690	0.01031	0.01979	1.40%	0.86%	1.64%	1.9198	0.01479	3.89%
129.01	2	0															
129.02	2	0															
129.05	2	0															
130.00	16	14	0.56369	0.04705	0.55144	0.03048	0.00539	5.53%	0.04661	0.00909	0.04748	8.27%	1.61%	8.42%	5.2250	0.00981	4.37%
130.01	2	0															
130.02	2	0															
130.05	3	3	0.52950	0.02324	0.52950	0.02324	0.00949	4.39%	0.00828	0.03072	0.03181	1.56%	5.80%	6.01%	1.0357	0.03300	4.40%
131.00	15	13	0.25436	0.01695	0.25532	0.01838	0.00347	7.20%	0.01679	0.00330	0.01711	6.60%	1.30%	6.73%	5.1846	0.00397	4.91%
131.01	1		0.27600														
131.02	3	3	0.24833	0.02021	0.24833	0.02021	0.00825	8.14%	0.01915	0.00913	0.02121	7.71%	3.68%	8.54%	2.3238	0.01000	4.93%
131.05	1		0.25000														
131.99	1		0.14600														
132.00	14	13	0.65572	0.01866	0.65605	0.01887	0.00357	2.88%	0.01742	0.00948	0.01983	2.66%	1.45%	3.02%	2.0913	0.01025	4.26%
132.01	3	3	0.68450	0.10839	0.68450	0.10839	0.04425	15.83%	0.10678	0.02632	0.10998	15.60%	3.85%	16.07%	4.1781	0.03100	4.23%
132.02	2	0															
132.05	2	0															
133.00	14	13	1.0347	0.03401	1.0343	0.03764	0.00738	3.64%	0.03137	0.01858	0.03646	3.03%	1.80%	3.52%	1.9622	0.02183	3.98%
133.05	2	0															
133.99	1		2.2450														
134.00	15	14	0.68711	0.02547	0.68120	0.01829	0.00334	2.68%	0.02402	0.01198	0.02684	3.50%	1.74%	3.91%	2.2403	0.01340	4.24%
134.01	3	2	0.63750	0.06010	0.65667	0.05393	0.02202	8.21%	0.06000	0.00510	0.06021	9.41%	0.80%	9.45%	11.809	0.03400	4.26%
134.02	2	0															
134.05	2	0															
135.00	15	13	0.53280	0.01639	0.53170	0.01547	0.00282	2.91%	0.01570	0.00668	0.01706	2.95%	1.25%	3.20%	2.5530	0.00941	4.40%
135.01	3	3	0.51800	0.07269	0.51800	0.07269	0.02968	14.03%	0.07240	0.00917	0.07298	13.98%	1.77%	14.09%	7.9627	0.01067	4.42%
135.02	2	0															
135.05	2	0															
136.00	5	4	0.17850	0.03557	0.17780	0.03085	0.00975	17.35%	0.03529	0.00638	0.03586	19.77%	3.58%	20.09%	5.6174	0.01400	5.19%

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
136.01	5	4	0.17213	0.00971	0.16330	0.02145	0.00678	13.13%	0.00961	0.00197	0.00981	5.58%	1.14%	5.70%	4.9817	0.00580	5.25%
136.02	2	0															
136.03	3	3	0.16910	0.00344	0.16910	0.00344	0.00140	2.03%	0.00275	0.00293	0.00401	1.62%	1.73%	2.37%	1.3711	0.00373	5.23%
136.99	1		0.15500														
137.00	10	10	0.44830	0.03713	0.44642	0.03573	0.00799	8.00%	0.03650	0.00959	0.03774	8.14%	2.14%	8.42%	3.9347	0.01061	4.52%
137.01	2	0															
137.02	2	0															
137.05	2	0															
138.00	15	14	0.71161	0.03709	0.71149	0.03020	0.00571	4.24%	0.03622	0.01128	0.03794	5.09%	1.59%	5.33%	3.3632	0.01174	4.21%
138.01	3	2	0.67000	0.08768	0.72000	0.10651	0.04348	14.79%	0.08768	0.00000	0.08768	13.09%	0.00%	13.09%		0.00667	4.20%
138.02	2	0															
138.05	2	0															
139.00	1		0.10000														
139.02	2	0															
160.99	3	3	0.29383	0.07932	0.29383	0.07932	0.03238	26.99%	0.07581	0.03298	0.08268	25.80%	11.22%	28.14%	2.5071	0.03833	4.81%
161.99	1		0.00000														
162.99	4	4	0.36713	0.20866	0.36713	0.20866	0.07377	56.84%	0.20846	0.01304	0.20887	56.78%	3.55%	56.89%	16.013	0.01475	4.65%
163.99	3	0			0.00000	0.00000	0.00000									0.00000	#DIV/0!
164.99	4	3	0.28000	0.48497	0.40600	0.46937	0.16595	115.61%	0.48497	0.00000	0.48497	173.21%	0.00%	173.21%		0.00500	4.58%
165.99	5	5	1.6340	0.24687	1.6340	0.24687	0.07807	15.11%	0.24505	0.04227	0.24867	15.00%	2.59%	15.22%	5.8834	0.04240	3.71%
166.99	1		0.74300														
167.99	1		0.33850														
210.99	1		2.5700														
400.01	3	2	0.42850	0.01697	0.42233	0.01606	0.00656	3.80%	0.01696	0.00071	0.01698	3.96%	0.17%	3.96%	24.010	0.00733	#DIV/0!
400.99	1		0.51505														
516.00	4	4	0.20330	0.09527	0.20330	0.09527	0.03368	46.86%	0.09510	0.00787	0.09543	46.78%	3.87%	46.94%	12.119	0.00745	20.33%
516.43	2	0															
516.52	1		0.21150														
516.53	5	5	0.20160	0.01442	0.20160	0.01442	0.00456	7.15%	0.01295	0.00894	0.01574	6.43%	4.44%	7.81%	1.7600	0.01200	20.36%
518.34	3	3	0.09575	0.02414	0.09575	0.02414	0.00986	25.22%	0.02394	0.00448	0.02435	25.00%	4.68%	25.43%	5.4393	0.00483	22.77%
518.41	4	4	0.07219	0.01378	0.07219	0.01378	0.00487	19.09%	0.01308	0.00615	0.01445	18.12%	8.51%	20.02%	2.3512	0.00813	23.76%
518.43	2	0															
518.52	1		0.09100														
518.53	5	4	0.07938	0.01356	0.08222	0.01336	0.00422	16.24%	0.01355	0.00079	0.01357	17.07%	1.00%	17.10%	17.168	0.00516	23.30%
520.31	1		6.1400														
520.41	3	3	6.2628	1.5456	6.2628	1.5456	0.63099	24.68%	1.5307	0.30268	1.5604	24.44%	4.83%	24.91%	5.1551	0.42333	12.14%
520.43	3	2	12.986	1.6069	14.678	3.1420	1.2827	21.41%	1.6045	0.12305	1.6093	12.36%	0.95%	12.39%	13.078	1.0890	10.68%
520.53	2	0															

Method Code	Total # Labs Submitting	# Labs Included in Calculations	Mean	SD	Assigned Value - Robust Mean	AAFCCO 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
520.99	1		11.854														
526.31	1		0.07460														
526.34	3	3	0.27833	0.30358	0.27833	0.30358	0.12393	109.07%	0.30268	0.03291	0.30447	108.75%	11.83%	109.39%	9.2504	0.03667	19.39%
526.41	2	0															
526.43	3	3	0.07620	0.07437	0.07620	0.07437	0.03036	97.60%	0.05698	0.06760	0.08841	74.78%	88.71%	116.02%	1.3079	0.06753	23.57%
526.52	1		0.19600														
526.53	5	5	0.15010	0.03638	0.15010	0.03638	0.01151	24.24%	0.03477	0.01514	0.03793	23.17%	10.09%	25.27%	2.5046	0.01620	21.28%
529.00	1		0.00000														
529.99	2	0															
539.41	1		6.1605														
539.43	2	0															
539.53	2	0															
600.01	3	3	2.1367	0.77203												0.23333	
600.03	1		2.5000														
600.11	1		3.8000														
600.12	1		1.0500														
600.20	1		0.00000														
610.01	1		997.50														
620.01	2	0															
620.04	1		925.00														
640.01	1		111.80														
650.01	2	0															