

AAFCO Check Sample Program

Methods Report

Sort by Method

Proficiency For Individual Methods

Sample # 201031

Beef Feedlot special, Medicated



AAFCO

Association of American Feed Control Officials

Method Code	Total # Labs Submitting	# Labs Included in Calculations	Mean	SD	Assigned Value - Robust Mean	AAFCO CS ffp - Robust sd	Uncertainty (U)	% RSD	Between Labs sL	Within Labs sI	Reproducibility sR	Between Labs %RSD	Within Labs %rdsd	Reproducibility %RSD	sR/sr	Average Range (R-bar)
000.01	6	6	15.698	6.0542	17.803	1.3520	0.39029	7.59%	6.0531	0.16088	6.0552	38.56%	1.02%	38.57%	37.638	0.21667
000.99	1		18.630													
001.00	11	8	6.9244	1.1952	6.8101	1.0770	0.26925	15.81%	1.1941	0.07403	1.1964	17.24%	1.07%	17.28%	16.162	0.08609
001.03	6	6	6.7292	0.57854	6.8364	0.45232	0.13057	6.62%	0.57575	0.08036	0.58133	8.56%	1.19%	8.64%	7.2337	0.09167
001.07	39	38	6.8828	0.75353	6.7522	0.35608	0.04084	5.27%	0.74523	0.15778	0.76175	10.83%	2.29%	11.07%	4.8279	0.16488
001.08	1		6.9950													
001.99	17	15	7.4922	1.1727	7.4097	1.0777	0.19675	14.54%	1.1720	0.05825	1.1734	15.64%	0.78%	15.66%	20.146	0.06160
002.00	7	7	41.385	2.8895	41.983	1.1423	0.30530	2.72%	2.8848	0.23225	2.8941	6.97%	0.56%	6.99%	12.461	0.25064
002.01	10	10	41.670	0.43605	41.749	0.27081	0.06055	0.65%	0.42707	0.12455	0.44486	1.02%	0.30%	1.07%	3.5717	0.13600
002.02	7	7	41.939	0.51232	42.078	0.28774	0.07690	0.68%	0.50446	0.12638	0.52005	1.20%	0.30%	1.24%	4.1149	0.15489
002.03	1		40.655													
002.04	8	7	41.387	0.94277	41.522	0.76579	0.20467	1.84%	0.94086	0.08477	0.94467	2.27%	0.20%	2.28%	11.144	0.08286
002.05	21	21	41.470	1.0074	41.643	0.46016	0.07100	1.11%	1.0016	0.15369	1.0133	2.42%	0.37%	2.44%	6.5931	0.15980
002.06	207	133	42.459	0.56094	42.456	0.33840	0.02075	0.80%	0.54738	0.17335	0.57418	1.29%	0.41%	1.35%	3.3123	0.17125
002.08	2	2	41.592	0.22977												
002.10	10	9	41.516	1.2029	41.807	0.49786	0.11735	1.19%	1.1899	0.24988	1.2158	2.87%	0.60%	2.93%	4.8656	0.25391
002.11	9	9	40.772	0.65350	40.771	0.37628	0.08869	0.92%	0.63755	0.20292	0.66906	1.56%	0.50%	1.64%	3.2973	0.21900
002.99	2	2	40.808	0.01768												
003.00	24	23	3.5185	0.73144	3.3989	0.52982	0.07812	15.59%	0.72437	0.14352	0.73845	20.59%	4.08%	20.99%	5.1453	0.14089
003.01	2	2	3.1555	0.56498												
003.06	21	20	3.0147	0.47974	2.9407	0.32963	0.05212	11.21%	0.46751	0.15217	0.49165	15.51%	5.05%	16.31%	3.2309	0.13807
003.09	24	23	3.3499	0.34845	3.3234	0.33082	0.04878	9.95%	0.34530	0.06611	0.35157	10.31%	1.97%	10.49%	5.3179	0.06201
003.10	35	34	2.9026	0.29984	2.8377	0.15030	0.01823	5.30%	0.29679	0.06025	0.30285	10.23%	2.08%	10.43%	5.0268	0.06407
003.11	8	8	2.5134	0.45406	2.5134	0.51490	0.12873	20.49%	0.45326	0.03801	0.45485	18.03%	1.51%	18.10%	11.966	0.03886
003.12	3	3	3.3233	0.18251	3.3233	0.18251	0.07451	5.49%	0.14975	0.14754	0.21022	4.51%	4.44%	6.33%	1.4249	0.14667
003.13	7	7	2.8379	0.19113	2.8753	0.15271	0.04081	5.31%	0.18934	0.03690	0.19291	6.67%	1.30%	6.80%	5.2276	0.04457
003.14	24	24	3.4023	0.79231	3.2230	0.44634	0.06442	13.85%	0.78910	0.10068	0.79550	23.19%	2.96%	23.38%	7.9012	0.10356

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003.99	8	7	3.1536	0.37978	3.0569	0.18495	0.04943	6.05%	0.32228	0.28414	0.42965	10.22%	9.01%	13.62%	1.5121	0.23857
004.00	23	23	7.1061	1.2974	7.1394	0.72566	0.10699	10.16%	1.2913	0.17751	1.3034	18.17%	2.50%	18.34%	7.3430	0.16790
004.01	2	2	8.0050	0.21920												
004.03	3	3	8.0238	1.2287	8.0238	1.2287	0.50163	15.31%	1.1781	0.49375	1.2774	14.68%	6.15%	15.92%	2.5871	0.58833
004.06	32	32	7.7586	0.78574	7.6573	0.44729	0.05591	5.84%	0.77936	0.14129	0.79207	10.05%	1.82%	10.21%	5.6058	0.15004
004.07	48	47	8.1536	1.6163	8.0435	1.4623	0.15083	18.18%	1.6034	0.28846	1.6291	19.67%	3.54%	19.98%	5.6477	0.30561
004.11	8	7	8.5535	2.8042	8.2429	1.4485	0.38713	17.57%	2.8036	0.08444	2.8048	32.78%	0.99%	32.79%	33.216	0.08643
004.99	3	3	6.3483	0.40652	6.3483	0.40652	0.16596	6.40%	0.40040	0.09941	0.41255	6.31%	1.57%	6.50%	4.1498	0.13667
005.00	172	115	21.126	0.76090	21.219	0.56452	0.03722	2.66%	0.75493	0.13453	0.76682	3.57%	0.64%	3.63%	5.6999	0.13306
005.05	16	15	21.384	1.4571	21.454	0.54041	0.09867	2.52%	1.4549	0.11192	1.4592	6.80%	0.52%	6.82%	13.038	0.12827
005.11	6	6	21.278	1.5173	20.900	0.80129	0.23131	3.83%	1.5001	0.32219	1.5344	7.05%	1.51%	7.21%	4.7623	0.37900
005.99	11	10	21.534	1.3456	21.712	0.87931	0.19662	4.05%	1.3212	0.36092	1.3696	6.14%	1.68%	6.36%	3.7946	0.26700
008.02	11	10	11.757	1.9896	12.041	1.3638	0.30496	11.33%	1.9856	0.17755	1.9936	16.89%	1.51%	16.96%	11.228	0.20517
008.05	1		13.100													
008.08	31	30	9.7343	0.93553	9.8512	0.65397	0.08443	6.64%	0.92914	0.15438	0.94188	9.55%	1.59%	9.68%	6.1009	0.17924
008.99	3	3	24.650	18.488	24.650	18.488	7.5477	75.00%	18.488	0.08505	18.488	75.00%	0.35%	75.00%	217.38	0.09333
009.04	1		26.095													
009.07	9	9	21.163	1.2072	21.018	1.1121	0.26212	5.29%	1.1013	0.69912	1.3045	5.20%	3.30%	6.16%	1.8659	0.67858
009.09	25	24	19.938	2.1524	19.529	1.4053	0.20284	7.20%	2.1120	0.58675	2.1920	10.59%	2.94%	10.99%	3.7359	0.55171
009.99	2	2	23.183	5.3917												
010.03	3	3	4.7632	0.42439	4.7632	0.42439	0.17325	8.91%	0.38237	0.26038	0.46261	8.03%	5.47%	9.71%	1.7766	0.34807
010.11	10	10	7.1042	1.7315	6.6521	0.95717	0.21403	14.39%	1.7258	0.19851	1.7372	24.29%	2.79%	24.45%	8.7514	0.19651
010.99	13	12	7.2861	2.0206	7.0503	0.95824	0.19560	13.59%	2.0174	0.15903	2.0237	27.69%	2.18%	27.77%	12.725	0.14500
011.01	148	80	9.7171	0.98039	9.8013	0.84108	0.06649	8.58%	0.97186	0.18243	0.98884	10.00%	1.88%	10.18%	5.4203	0.18325
011.99	3	3	8.5700	3.1738	8.5700	3.1738	1.2957	37.03%	3.1719	0.15706	3.1758	37.01%	1.83%	37.06%	20.221	0.18667
012.00	10	9	6.7606	0.86780	6.8054	0.89298	0.21048	13.12%	0.86248	0.13579	0.87310	12.76%	2.01%	12.91%	6.4298	0.14556
012.01	3	3	6.1733	0.47606	6.1733	0.47606	0.19435	7.71%	0.46922	0.11372	0.48280	7.60%	1.84%	7.82%	4.2454	0.13333
012.03	2	2	6.2150	0.09899												
012.04	5	5	6.2150	2.1485	6.2150	2.1485	0.67942	34.57%	2.1479	0.07246	2.1491	34.56%	1.17%	34.58%	29.661	0.06600
012.11	1		40.440													
012.99	1		5.7000													
013.00	9	8	3.9881	0.42294	3.9852	0.34837	0.08709	8.74%	0.41858	0.08570	0.42726	10.50%	2.15%	10.71%	4.9858	0.10125
013.02	90	28	4.1106	0.33811	4.1058	0.35633	0.04762	8.68%	0.33152	0.09395	0.34458	8.07%	2.29%	8.38%	3.6675	0.10482
013.03	1		3.3700													
013.10	13	12	3.7019	0.64634	3.6663	0.66301	0.13534	18.08%	0.63618	0.16140	0.65634	17.19%	4.36%	17.73%	4.0666	0.17533
013.11	2	2	3.2850	0.47376												
013.13	1		5.0750													
015.41	4	4	1,751.5	146.04	1,751.5	146.04	51.633	8.34%	138.74	64.478	152.99	7.92%	3.68%	8.73%	2.3728	76.518

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015.42	2	2	824.33	268.24												
015.43	3	3	848.61	546.97	848.61	546.97	223.30	64.46%	546.92	10.718	547.02	64.45%	1.26%	64.46%	51.038	12.500
015.52	1		1,588.9													
016.00	1		0.30850													
016.99	1		0.32065													
017.31	1		11.000													
017.41	2	2	9.3200	1.4991												
017.42	3	3	8.3383	0.46501	8.3383	0.46501	0.18984	5.58%	0.25847	0.54667	0.60470	3.10%	6.56%	7.25%	1.1061	0.73667
017.43	3	3	10.017	1.1422	10.017	1.1422	0.46629	11.40%	1.1420	0.02887	1.1424	11.40%	0.29%	11.40%	39.572	0.04000
018.41	1		0.16675													
018.42	2	2	0.24350	0.13223												
018.52	1		0.24050													
019.00	14	14	5.5844	0.30229	5.5259	0.21371	0.04039	3.87%	0.29929	0.06009	0.30526	5.36%	1.08%	5.47%	5.0800	0.06515
019.03	5	5	5.6225	0.25875	5.6225	0.25875	0.08182	4.60%	0.22819	0.17253	0.28607	4.06%	3.07%	5.09%	1.6581	0.16444
019.08	11	11	5.5168	0.20033	5.5337	0.18514	0.03947	3.35%	0.19592	0.05908	0.20464	3.55%	1.07%	3.71%	3.4639	0.06363
019.31	33	32	5.5057	0.29647	5.4957	0.25469	0.03184	4.63%	0.29035	0.08480	0.30248	5.27%	1.54%	5.49%	3.5671	0.09074
019.32	11	11	5.6309	0.26393	5.5844	0.18552	0.03955	3.32%	0.25496	0.09650	0.27261	4.53%	1.71%	4.84%	2.8248	0.08663
019.33	1		5.9250													
019.41	36	35	5.6080	0.46205	5.5483	0.25881	0.03093	4.66%	0.45393	0.12200	0.47004	8.09%	2.18%	8.38%	3.8527	0.11179
019.42	26	25	5.5188	0.26859	5.5077	0.12801	0.01810	2.32%	0.26046	0.09277	0.27649	4.72%	1.68%	5.01%	2.9803	0.09215
019.43	12	11	5.4276	0.37663	5.4804	0.29975	0.06391	5.47%	0.37575	0.03644	0.37751	6.92%	0.67%	6.96%	10.359	0.03895
019.52	2	2	5.3638	0.44374												
019.53	1		5.5400													
019.99	2	2	5.6025	0.49144												
020.31	1		14.500													
020.41	2	2	11.686	1.0099												
020.42	3	3	12.833	2.4064	12.833	2.4064	0.98241	18.75%	2.3271	0.86664	2.4832	18.13%	6.75%	19.35%	2.8653	0.89333
020.43	3	3	13.240	1.7973	13.240	1.7973	0.73374	13.57%	1.6976	0.83489	1.8918	12.82%	6.31%	14.29%	2.2659	0.82767
020.52	1		14.240													
020.99	1		10.635													
021.31	4	4	10.715	3.1043	10.715	3.1043	1.0975	28.97%	3.1021	0.16447	3.1065	28.95%	1.53%	28.99%	18.888	0.19500
021.34	1		10,990													
021.41	4	4	10.547	0.75321	10.547	0.75321	0.26630	7.14%	0.73158	0.25346	0.77424	6.94%	2.40%	7.34%	3.0546	0.30150
021.42	6	6	10.078	1.3962	9.9020	1.2423	0.35863	12.55%	1.3727	0.36027	1.4192	13.62%	3.57%	14.08%	3.9393	0.42500
021.43	5	5	10.245	0.88915	10.245	0.88915	0.28118	8.68%	0.86966	0.26187	0.90823	8.49%	2.56%	8.87%	3.4683	0.22640
021.52	1		11.300													
021.99	1		11.747													
022.31	23	23	153.26	9.8472	153.45	8.1457	1.2010	5.31%	9.7031	2.3735	9.9892	6.33%	1.55%	6.52%	4.2086	2.6067

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022.32	2	2	156.75	5.3033												
022.33	1		144.50													
022.41	27	26	150.47	11.807	150.85	10.341	1.4340	6.85%	11.377	4.4633	12.221	7.56%	2.97%	8.12%	2.7381	4.3404
022.42	25	24	152.71	10.784	151.67	9.7677	1.4098	6.44%	10.622	2.6353	10.944	6.96%	1.73%	7.17%	4.1529	2.7433
022.43	14	14	148.20	12.243	148.83	12.412	2.3456	8.34%	12.004	3.4043	12.477	8.10%	2.30%	8.42%	3.6652	3.6753
022.52	1		133.78													
022.53	1		147.00													
022.99	1		161.35													
023.01	1		0.00400													
025.31	18	17	973.28	94.363	964.27	74.653	12.803	7.74%	93.694	15.866	95.028	9.63%	1.63%	9.76%	5.9896	17.217
025.32	1		754.50													
025.41	27	26	934.01	76.963	938.55	64.135	8.8939	6.83%	76.182	15.460	77.735	8.16%	1.66%	8.32%	5.0281	14.604
025.42	21	21	682.31	113.24	683.91	90.301	13.934	13.20%	112.37	19.755	114.10	16.47%	2.90%	16.72%	5.7755	20.585
025.43	12	12	773.45	188.19	770.15	206.49	42.150	26.81%	187.81	16.819	188.56	24.28%	2.17%	24.38%	11.211	18.153
025.52	1		838.39													
025.99	2	2	927.05	36.838												
026.31	1		2.4500													
026.52	1		0.78900													
026.99	1		0.00000													
027.31	22	22	0.30016	0.04068	0.29124	0.01339	0.00202	4.60%	0.04035	0.00733	0.04101	13.44%	2.44%	13.66%	5.5981	0.00811
027.32	4	4	0.28259	0.01564	0.28259	0.01564	0.00553	5.53%	0.01543	0.00359	0.01584	5.46%	1.27%	5.61%	4.4181	0.00293
027.41	30	30	0.29100	0.02088	0.28927	0.01602	0.00207	5.54%	0.02033	0.00672	0.02141	6.99%	2.31%	7.36%	3.1882	0.00712
027.42	27	27	0.26585	0.01987	0.26564	0.01201	0.00163	4.52%	0.01943	0.00589	0.02031	7.31%	2.22%	7.64%	3.4450	0.00568
027.43	11	10	0.28434	0.02080	0.28363	0.02041	0.00456	7.20%	0.01943	0.01048	0.02208	6.83%	3.69%	7.76%	2.1071	0.00854
027.52	1		0.27250													
027.53	1		0.27700													
027.99	1		0.26000													
028.31	19	19	391.78	31.219	397.76	18.866	3.0604	4.74%	30.988	5.3513	31.447	7.91%	1.37%	8.03%	5.8766	6.2166
028.32	2	2	421.75	11.667												
028.33	1		390.50													
028.41	26	25	387.28	22.832	387.95	20.587	2.9114	5.31%	22.082	8.2053	23.557	5.70%	2.12%	6.08%	2.8710	9.4130
028.42	23	22	395.64	23.677	394.57	17.594	2.6523	4.46%	23.168	6.9101	24.176	5.86%	1.75%	6.11%	3.4987	7.2632
028.43	13	12	393.11	35.643	393.79	33.570	6.8524	8.52%	34.968	9.7631	36.305	8.90%	2.48%	9.24%	3.7186	10.480
028.52	1		371.22													
028.53	1		394.50													
028.99	1		406.53													
029.99	2	2	0.02908	0.03596												
031.00	1		1.0450													

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031.01	52	50	1.0479	0.04423	1.0475	0.03910	0.00391	3.73%	0.04279	0.01586	0.04563	4.08%	1.51%	4.35%	2.8768	0.01535
031.02	2	2	1.0398	0.00672												
031.03	7	7	1.0506	0.05172	1.0427	0.03042	0.00813	2.92%	0.05143	0.00772	0.05201	4.90%	0.73%	4.95%	6.7386	0.00886
031.04	1		1.0000													
031.06	3	3	1.0833	0.17510	1.0833	0.17510	0.07148	16.16%	0.17467	0.01732	0.17552	16.12%	1.60%	16.20%	10.134	0.02000
031.41	34	34	1.0430	0.04911	1.0404	0.04510	0.00547	4.33%	0.04565	0.02561	0.05234	4.38%	2.46%	5.02%	2.0436	0.02521
031.42	26	26	1.0294	0.05592	1.0266	0.04149	0.00575	4.04%	0.05347	0.02319	0.05828	5.19%	2.25%	5.66%	2.5131	0.02430
031.43	14	13	1.0475	0.03895	1.0449	0.03822	0.00749	3.66%	0.03736	0.01558	0.04048	3.57%	1.49%	3.86%	2.5985	0.01708
031.52	1		0.99335													
031.53	1		1.0065													
031.99	6	6	1.0273	0.03329	1.0201	0.02084	0.00602	2.04%	0.03053	0.01877	0.03584	2.97%	1.83%	3.49%	1.9092	0.01550
032.02	9	9	1.1328	0.11519	1.1499	0.09781	0.02305	8.51%	0.11441	0.01890	0.11596	10.10%	1.67%	10.24%	6.1355	0.01867
032.31	17	17	1.0323	0.05602	1.0330	0.05564	0.00954	5.39%	0.05495	0.01546	0.05708	5.32%	1.50%	5.53%	3.6912	0.01851
032.32	5	5	1.0777	0.03352	1.0777	0.03352	0.01060	3.11%	0.03215	0.01343	0.03484	2.98%	1.25%	3.23%	2.5941	0.01362
032.41	33	32	1.0907	0.07019	1.0928	0.06644	0.00830	6.08%	0.06682	0.03039	0.07340	6.13%	2.79%	6.73%	2.4155	0.02908
032.42	25	24	1.0682	0.06937	1.0513	0.03930	0.00567	3.74%	0.06728	0.02390	0.07140	6.30%	2.24%	6.68%	2.9869	0.02628
032.43	12	12	1.0713	0.06919	1.0702	0.04893	0.00999	4.57%	0.06821	0.01640	0.07016	6.37%	1.53%	6.55%	4.2780	0.01631
032.52	2	2	1.0070	0.08910												
032.53	1		1.1200													
032.99	3	3	1.0010	0.09525	1.0010	0.09525	0.03889	9.52%	0.09525	0.00082	0.09525	9.52%	0.08%	9.52%	116.66	0.00067
033.00	26	26	3.6536	0.70268	3.6507	0.16003	0.02219	4.38%	0.70186	0.04806	0.70350	19.21%	1.32%	19.26%	14.637	0.04956
033.01	41	38	3.7804	0.13324	3.7585	0.05998	0.00688	1.60%	0.13157	0.02972	0.13488	3.48%	0.79%	3.57%	4.5389	0.02777
033.03	10	10	4.1695	0.86045	4.0591	0.63390	0.14175	15.62%	0.85294	0.16045	0.86790	20.46%	3.85%	20.82%	5.4091	0.17900
033.05	2	2	3.6700	0.11314												
033.99	9	9	3.5301	0.28034	3.5301	0.31791	0.07493	9.01%	0.27927	0.03467	0.28141	7.91%	0.98%	7.97%	8.1160	0.04011
034.01	1		2.2650													
034.04	7	7	2.2536	0.56170	2.3433	0.45409	0.12136	19.38%	0.55113	0.15337	0.57207	24.46%	6.81%	25.39%	3.7301	0.15857
034.05	1		2.8350													
034.41	1		0.31500													
034.42	4	4	1.8425	1.3063	1.8425	1.3063	0.46186	70.90%	1.2322	0.61358	1.3765	66.88%	33.30%	74.71%	2.2434	0.61000
034.52	2	2	2.1503	0.19764												
034.99	2	2	2.4249	0.03557												
035.01	3	3	1.4200	0.03606	1.4200	0.03606	0.01472	2.54%	0.02887	0.03055	0.04203	2.03%	2.15%	2.96%	1.3758	0.04000
035.05	8	8	1.2473	0.44440	1.3579	0.17876	0.04469	13.16%	0.44434	0.01041	0.44446	35.62%	0.83%	35.63%	42.706	0.01388
035.31	18	18	1.3717	0.08520	1.3801	0.07887	0.01315	5.72%	0.08400	0.02016	0.08639	6.12%	1.47%	6.30%	4.2842	0.02158
035.32	4	4	1.4447	0.09801	1.4447	0.09801	0.03465	6.78%	0.09743	0.01506	0.09858	6.74%	1.04%	6.82%	6.5468	0.01285
035.41	27	25	1.3941	0.07875	1.4007	0.05647	0.00799	4.03%	0.07353	0.03986	0.08364	5.27%	2.86%	6.00%	2.0983	0.03741
035.42	21	21	1.4124	0.11327	1.3956	0.06322	0.00975	4.53%	0.11097	0.03208	0.11552	7.86%	2.27%	8.18%	3.6012	0.03085

Method Code	Total # Labs Submitting	# Labs Included in Calculations	Mean	SD	Assigned Value - Robust Mean	AAFCCO CS ffp - Robust sd	Uncertainty (U)	% RSD	Between Labs sL	Within Labs sr	Reproducibility sR	Between Labs %RSD	Within Labs %rstd	Reproducibility %RSD	sR/sr	Average Range (R-bar)
035.43	10	10	1.4013	0.13743	1.3956	0.14267	0.03190	10.22%	0.13675	0.01938	0.13811	9.76%	1.38%	9.86%	7.1255	0.02240
035.52	1		1.4306													
035.53	1		1.3850													
035.99	1		1.3000													
036.00	2	2	0.70500	0.01414												
036.04	2	2	0.58250	0.03889												
036.42	19	19	0.55836	0.04348	0.55995	0.04556	0.00739	8.14%	0.04305	0.00861	0.04390	7.71%	1.54%	7.86%	5.1007	0.00896
036.43	9	9	0.54128	0.02964	0.54010	0.03103	0.00731	5.74%	0.02825	0.01270	0.03097	5.22%	2.35%	5.72%	2.4396	0.01360
037.31	22	21	664.00	71.616	676.23	31.312	4.8315	4.63%	71.479	6.2545	71.752	10.77%	0.94%	10.81%	11.472	7.3071
037.32	2	2	696.25	8.8388												
037.33	1		702.50													
037.41	28	28	649.30	42.597	650.10	46.550	6.2205	7.16%	41.679	12.435	43.495	6.42%	1.92%	6.70%	3.4977	13.024
037.42	25	25	658.73	61.421	657.19	60.003	8.4858	9.13%	60.790	12.420	62.046	9.23%	1.89%	9.42%	4.9956	12.400
037.43	13	12	650.31	49.635	640.26	35.134	7.1717	5.49%	48.982	11.351	50.280	7.53%	1.75%	7.73%	4.4297	11.402
037.52	1		528.87													
037.53	1		720.00													
037.99	2	2	717.17	37.006												
038.31	1		3.5000													
038.41	2	2	1.9748	0.35391												
038.42	4	4	1.8521	0.37607	1.8521	0.37607	0.13296	20.30%	0.30325	0.31455	0.43692	16.37%	16.98%	23.59%	1.3890	0.28175
038.43	5	5	1.9088	0.46472	1.9088	0.46472	0.14696	24.35%	0.46207	0.07014	0.46736	24.21%	3.67%	24.48%	6.6630	0.08400
038.52	1		2.2362													
039.31	1		15.050													
039.41	1		16.140													
039.42	3	3	16.315	1.4551	16.315	1.4551	0.59406	8.92%	1.3029	0.91642	1.5929	7.99%	5.62%	9.76%	1.7382	0.94333
039.43	1		16.536													
039.52	1		17.607													
040.42	1		5.4700													
040.43	1		5.9165													
041.42	1		4.6900													
041.43	1		4.5025													
041.52	1		2.9205													
065.00	4	4	217.86	25.523	217.86	25.523	9.0238	11.72%	24.828	8.3658	26.200	11.40%	3.84%	12.03%	3.1318	7.0750
065.01	3	3	192.27	7.1305	192.27	7.1305	2.9110	3.71%	4.6253	7.6746	8.9607	2.41%	3.99%	4.66%	1.1676	8.7333
065.03	10	10	229.95	33.069	223.65	26.356	5.8934	11.78%	27.152	26.696	38.078	11.81%	11.61%	16.56%	1.4263	22.495
065.04	4	4	207.29	11.050	207.29	11.050	3.9069	5.33%	9.5104	7.9575	12.400	4.59%	3.84%	5.98%	1.5583	8.2125
065.99	5	5	252.22	29.773	252.22	29.773	9.4151	11.80%	29.288	7.5728	30.251	11.61%	3.00%	11.99%	3.9947	9.3040
105.00	1		1.5150													

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106.00	2	2	8.8888	9.9861												
106.02	21	20	15.867	6.6687	16.186	4.1716	0.65959	25.77%	6.5824	1.5125	6.7539	41.49%	9.53%	42.57%	4.4654	1.2163
108.01	1		2.5600													
108.02	3	3	2.9100	1.6795	2.9100	1.6795	0.68564	57.71%	1.6786	0.07506	1.6803	57.68%	2.58%	57.74%	22.388	0.10000
109.02	4	4	5.5475	4.3614	5.5475	4.3614	1.5420	78.62%	4.3572	0.27212	4.3656	78.54%	4.91%	78.70%	16.043	0.26500
120.00	12	12	1.2917	0.03525	1.2917	0.03047	0.00622	2.36%	0.02307	0.03768	0.04419	1.79%	2.92%	3.42%	1.1726	0.03583
120.02	1		1.2743													
120.05	3	3	1.2703	0.00340	1.2703	0.00340	0.00139	0.27%		0.03104			2.44%			0.04267
120.99	1		1.2150													
121.00	12	11	1.2346	0.04579	1.2346	0.05192	0.01107	4.21%	0.04521	0.01023	0.04635	3.66%	0.83%	3.75%	4.5305	0.00991
121.02	1		1.2524													
121.05	3	3	1.2653	0.06202	1.2653	0.06202	0.02532	4.90%	0.05858	0.02880	0.06528	4.63%	2.28%	5.16%	2.2663	0.03533
121.99	1		1.2150													
122.00	12	11	1.6165	0.04809	1.6219	0.04418	0.00942	2.72%	0.04467	0.02520	0.05129	2.76%	1.56%	3.17%	2.0351	0.02445
122.02	1		1.5868													
122.05	3	3	1.6462	0.13371	1.6462	0.13371	0.05459	8.12%	0.06209	0.16747	0.17861	3.77%	10.17%	10.85%	1.0665	0.20033
122.99	1		1.4550													
124.00	10	9	0.56778	0.03665	0.56913	0.03876	0.00914	6.81%	0.03611	0.00893	0.03719	6.36%	1.57%	6.55%	4.1670	0.00778
124.02	3	3	0.61902	0.04767	0.61902	0.04767	0.01946	7.70%	0.04713	0.01014	0.04820	7.61%	1.64%	7.79%	4.7547	0.01323
124.05	1		0.52850													
124.99	1		0.55500													
125.00	12	11	2.8918	0.06673	2.8993	0.04947	0.01055	1.71%	0.06434	0.02503	0.06904	2.23%	0.87%	2.39%	2.7587	0.02609
125.02	1		2.7980													
125.05	3	3	2.9145	0.14524	2.9145	0.14524	0.05929	4.98%		0.23765			8.15%			0.28567
125.99	1		2.7200													
126.00	12	11	1.2031	0.04268	1.1956	0.03424	0.00730	2.86%	0.04149	0.01415	0.04383	3.45%	1.18%	3.64%	3.0968	0.01364
126.02	1		1.2092													
126.05	3	3	1.2607	0.04419	1.2607	0.04419	0.01804	3.51%	0.03790	0.03214	0.04969	3.01%	2.55%	3.94%	1.5460	0.04533
126.99	1		1.1600													
127.00	12	11	0.48845	0.02303	0.48989	0.02304	0.00491	4.70%	0.02283	0.00429	0.02322	4.67%	0.88%	4.75%	5.4195	0.00455
127.02	1		0.43060													
127.05	3	3	0.53067	0.07043	0.53067	0.07043	0.02875	13.27%	0.06898	0.02012	0.07185	13.00%	3.79%	13.54%	3.5705	0.02533
127.99	1		0.43500													
128.00	12	11	0.81450	0.02807	0.81305	0.02898	0.00618	3.56%	0.02739	0.00866	0.02873	3.36%	1.06%	3.53%	3.3183	0.00918
128.02	1		0.83350													
128.05	3	3	0.85167	0.08680	0.85167	0.08680	0.03544	10.19%	0.08582	0.01837	0.08777	10.08%	2.16%	10.31%	4.7786	0.02533
128.99	1		0.79000													
129.00	12	11	1.7326	0.05027	1.7460	0.02806	0.00598	1.61%	0.04906	0.01550	0.05145	2.83%	0.89%	2.97%	3.3198	0.01955

Method Code	Total # Labs Submitting	# Labs Included in Calculations	Mean	SD	Assigned Value - Robust Mean	AAFCCO CS ffp - Robust sd	Uncertainty (U)	% RSD	Between Labs sL	Within Labs sr	Reproducibility sR	Between Labs %RSD	Within Labs %rstd	Reproducibility %RSD	sR/sr	Average Range (R-bar)
129.02	1		1.7033													
129.05	3	3	1.7830	0.09250	1.7830	0.09250	0.03776	5.19%	0.09036	0.02798	0.09459	5.07%	1.57%	5.31%	3.3805	0.03800
129.99	1		1.6450													
130.00	12	11	0.94100	0.03996	0.94427	0.03648	0.00778	3.86%	0.03902	0.01220	0.04088	4.15%	1.30%	4.34%	3.3502	0.01309
130.02	1		0.94070													
130.05	3	3	0.93283	0.08132	0.93283	0.08132	0.03320	8.72%	0.05627	0.08303	0.10030	6.03%	8.90%	10.75%	1.2081	0.09900
130.99	1		0.87500													
131.00	10	10	0.24980	0.03227	0.24720	0.02674	0.00598	10.82%	0.03219	0.00330	0.03236	12.89%	1.32%	12.95%	9.8003	0.00300
131.02	3	3	0.27622	0.05190	0.27622	0.05190	0.02119	18.79%	0.05174	0.00577	0.05206	18.73%	2.09%	18.85%	9.0266	0.00530
131.05	2	2	0.35350	0.09970												
131.99	1		0.24500													
132.00	12	12	0.95588	0.03419	0.95588	0.03878	0.00791	4.06%	0.02700	0.02968	0.04012	2.82%	3.10%	4.20%	1.3518	0.02792
132.02	1		0.96135													
132.05	3	3	1.0027	0.04290	1.0027	0.04290	0.01751	4.28%	0.03740	0.02974	0.04778	3.73%	2.97%	4.77%	1.6066	0.04200
132.99	1		0.87500													
133.00	12	11	1.5730	0.12318	1.5920	0.04251	0.00906	2.67%	0.12115	0.03150	0.12518	7.70%	2.00%	7.96%	3.9740	0.03227
133.05	3	3	1.6197	0.11000	1.6197	0.11000	0.04491	6.79%	0.10535	0.04474	0.11446	6.50%	2.76%	7.07%	2.5585	0.05200
133.99	1		1.4500													
134.00	12	11	1.3468	0.05439	1.3420	0.05037	0.01074	3.75%	0.05218	0.02174	0.05652	3.87%	1.61%	4.20%	2.6001	0.02191
134.02	1		1.3109													
134.05	3	3	1.4612	0.04922	1.4612	0.04922	0.02010	3.37%	0.04068	0.03919	0.05649	2.78%	2.68%	3.87%	1.4413	0.05433
134.99	1		1.2900													
135.00	12	12	1.1668	0.02565	1.1617	0.01746	0.00356	1.50%	0.01173	0.03226	0.03432	1.01%	2.76%	2.94%	1.0641	0.02792
135.02	1		1.1825													
135.05	3	3	1.2305	0.05128	1.2305	0.05128	0.02094	4.17%	0.04883	0.02215	0.05362	3.97%	1.80%	4.36%	2.4203	0.02967
135.99	1		1.1500													
136.00	1		0.21100													
136.01	5	5	0.18520	0.02359	0.18520	0.02359	0.00746	12.74%	0.02356	0.00184	0.02363	12.72%	1.00%	12.76%	12.814	0.00200
136.03	1		0.15750													
136.99	3	3	0.18783	0.02278	0.18783	0.02278	0.00930	12.13%	0.02195	0.00865	0.02359	11.68%	4.61%	12.56%	2.7270	0.00900
137.00	8	7	0.63664	0.03566	0.63736	0.03896	0.01041	6.11%	0.03538	0.00627	0.03593	5.56%	0.99%	5.64%	5.7277	0.00614
137.02	1		0.58855													
137.05	3	3	0.65950	0.07059	0.65950	0.07059	0.02882	10.70%	0.06303	0.04493	0.07741	9.56%	6.81%	11.74%	1.7228	0.04500
137.99	1		0.68000													
138.00	12	11	1.1935	0.06247	1.1934	0.07075	0.01508	5.93%	0.06037	0.02274	0.06451	5.06%	1.91%	5.41%	2.8363	0.02382
138.02	1		1.2615													
138.05	3	3	1.2672	0.16235	1.2672	0.16235	0.06628	12.81%	0.16022	0.03712	0.16446	12.64%	2.93%	12.98%	4.4301	0.04833
138.99	1		1.1700													

Average Range (R-bar)	sR/sr	Reproducibility %RSD	Within Labs %rstd	Between Labs %RSD	Reproducibility sR	Within Labs sr	Between Labs sL	% RSD	Uncertainty (U)	AAFCCO CS ffp - Robust sd	Assigned Value - Robust Mean	SD	Mean	# Labs Included in Calculations	Total # Labs Submitting	Method Code
												0.05374	0.06200	2	2	139.00
													0.16700		1	140.01
													0.01700		1	141.00
													0.26700		1	142.00
													3.3350		1	300.99