

AAFCO Check Sample Program

Methods Report

Sort by Method

Proficiency For Individual Methods

Sample # 201131

Corn Protein Concentrate



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 sr	Reproducibility sR	Between Labs %RSD	Within Labs %rsd	Reproducibility %RSD	sR/sr	Average Range (R-bar)
000.01	1		0.50000													
001.00	12	8	7.8337	1.1358	7.4851	0.25385	0.06346	3.39%	1.1278	0.19064	1.1438	14.40%	2.43%	14.60%	5.9999	0.16669
001.03	16	15	7.7377	0.10697	7.7351	0.10874	0.01985	1.41%	0.10648	0.01449	0.10746	1.38%	0.19%	1.39%	7.4154	0.01400
001.05	1		7.5200													
001.07	33	33	7.5474	0.62220	7.5940	0.30005	0.03693	3.95%	0.61671	0.11655	0.62763	8.17%	1.54%	8.32%	5.3852	0.11364
001.08	2	2	7.9175	0.11667												
001.99	13	11	7.7679	0.40101	7.7306	0.33638	0.07172	4.35%	0.39868	0.06108	0.40333	5.13%	0.79%	5.19%	6.6038	0.06894
002.00	5	5	72.478	2.5450	72.478	2.5450	0.80480	3.51%	2.5394	0.23845	2.5506	3.50%	0.33%	3.52%	10.696	0.26000
002.01	10	10	71.463	0.54683	71.504	0.53651	0.11997	0.75%	0.52568	0.21303	0.56720	0.74%	0.30%	0.79%	2.6626	0.23100
002.02	6	5	72.122	0.95213	72.122	0.95213	0.30109	1.32%	0.94662	0.14460	0.95760	1.31%	0.20%	1.33%	6.6226	0.16670
002.03	1		67.935													
002.04	5	5	71.084	2.3703	71.084	2.3703	0.74955	3.33%	2.3675	0.16352	2.3731	3.33%	0.23%	3.34%	14.512	0.18400
002.05	37	36	71.405	1.1195	71.568	0.61926	0.07298	0.87%	1.1163	0.11845	1.1226	1.56%	0.17%	1.57%	9.4778	0.12470
002.06	222	137	72.598	0.80498	72.540	0.63869	0.03858	0.88%	0.76111	0.37069	0.84658	1.05%	0.51%	1.17%	2.2838	0.34671
002.07	1		70.395													
002.08	4	4	72.150	0.68714	72.150	0.68714	0.24294	0.95%	0.68606	0.05464	0.68823	0.95%	0.08%	0.95%	12.595	0.06923
002.10	3	3	71.640	0.33275	71.640	0.33275	0.13584	0.46%		0.49319			0.69%			0.49267
002.11	3	3	73.292	0.68252	73.292	0.68252	0.27864	0.93%	0.67790	0.11218	0.68711	0.92%	0.15%	0.94%	6.1253	0.13000
002.99	1		74.785													
003.00	20	19	3.0651	0.43907	2.9956	0.21525	0.03492	7.19%	0.41609	0.19826	0.46091	13.58%	6.47%	15.04%	2.3247	0.17184
003.01	2	2	2.4709	0.06240												
003.06	20	20	2.9110	0.22953	2.8715	0.07453	0.01178	2.60%	0.22437	0.06844	0.23458	7.71%	2.35%	8.06%	3.4277	0.06311
003.09	23	22	2.9806	0.15458	2.9584	0.12304	0.01855	4.16%	0.14942	0.05601	0.15957	5.01%	1.88%	5.35%	2.8488	0.05945
003.10	37	36	2.7761	0.37877	2.7552	0.17428	0.02054	6.33%	0.37394	0.08528	0.38354	13.47%	3.07%	13.82%	4.4974	0.07349
003.11	2	2	2.0600	0.82024												
003.12	17	16	2.9425	0.38851	2.8657	0.17013	0.03007	5.94%	0.38635	0.05788	0.39066	13.13%	1.97%	13.28%	6.7496	0.06250
003.13	5	5	2.7275	0.24282	2.7275	0.24282	0.07679	8.90%	0.21098	0.17001	0.27095	7.74%	6.23%	9.93%	1.5937	0.15940

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003.14	25	24	3.1264	1.2702	2.9179	0.45807	0.06612	15.70%	1.2672	0.12413	1.2732	40.53%	3.97%	40.73%	10.258	0.12815
003.99	11	7	3.2971	1.4482	3.0706	0.50475	0.13490	16.44%	1.4415	0.19618	1.4548	43.72%	5.95%	44.12%	7.4157	0.21429
004.00	23	23	1.2490	0.36329	1.2193	0.32466	0.04787	26.63%	0.35628	0.10046	0.37017	28.53%	8.04%	29.64%	3.6847	0.10642
004.01	2	2	2.3950	0.91217												
004.03	1		1.2300													
004.06	39	38	1.2934	0.25739	1.2778	0.20637	0.02367	16.15%	0.25286	0.06793	0.26183	19.55%	5.25%	20.24%	3.8546	0.05706
004.07	50	48	1.1510	0.52255	1.0578	0.27894	0.02847	26.37%	0.51866	0.08996	0.52641	45.06%	7.82%	45.74%	5.8519	0.10147
004.11	2	2	1.0875	0.58336												
004.99	2	2	1.0450	0.31820												
005.00	178	103	1.4800	0.24823	1.4532	0.06088	0.00424	4.19%	0.24555	0.05151	0.25089	16.59%	3.48%	16.95%	4.8707	0.04567
005.02	1		1.5050													
005.03	1		1.4000													
005.05	25	24	1.4545	0.08827	1.4687	0.05605	0.00809	3.82%	0.08704	0.02074	0.08948	5.98%	1.43%	6.15%	4.3145	0.02113
005.11	2	2	1.9800	0.02828												
005.99	8	7	1.5755	0.37684	1.4718	0.04594	0.01228	3.12%	0.37647	0.02375	0.37722	23.90%	1.51%	23.94%	15.880	0.02147
006.00	1		2.2500													
006.99	2	2	3.0400	0.93338												
008.02	10	10	10.454	11.467	7.6588	4.5071	1.0078	58.85%	11.464	0.39154	11.471	109.66%	3.75%	109.73%	29.297	0.38600
008.05	2	2	8.3408	2.4618												
008.08	24	24	7.6509	2.7915	8.3316	1.4784	0.21339	17.74%	2.7765	0.40802	2.8064	36.29%	5.33%	36.68%	6.8780	0.37953
008.99	4	4	9.8788	6.1283	9.8788	6.1283	2.1667	62.03%	6.1275	0.13861	6.1290	62.03%	1.40%	62.04%	44.218	0.16750
009.04	1		3.6800													
009.07	8	8	6.4197	7.7781	3.7917	0.96674	0.24168	25.50%	7.7725	0.41837	7.7838	121.07%	6.52%	121.25%	18.605	0.41438
009.09	16	16	7.7167	5.1677	6.7950	3.9841	0.70429	58.63%	5.1625	0.32798	5.1729	66.90%	4.25%	67.04%	15.772	0.39243
009.99	3	3	12.355	8.7246	12.355	8.7246	3.5618	70.62%	8.7243	0.10607	8.7249	70.61%	0.86%	70.62%	82.259	0.13000
010.03	4	4	7.0058	0.87601	7.0058	0.87601	0.30972	12.50%	0.87112	0.13071	0.88087	12.43%	1.87%	12.57%	6.7392	0.16068
010.11	4	4	7.4275	0.52815	7.4275	0.52815	0.18673	7.11%	0.52498	0.08170	0.53130	7.07%	1.10%	7.15%	6.5030	0.09000
010.99	10	9	7.5899	0.38130	7.6424	0.32767	0.07723	4.29%	0.37871	0.06284	0.38388	4.99%	0.83%	5.06%	6.1086	0.06647
011.01	160	77	8.4410	0.32589	8.4866	0.23981	0.01932	2.83%	0.31756	0.10348	0.33400	3.76%	1.23%	3.96%	3.2277	0.10143
011.02	2	2	8.4175	0.30052												
011.99	2	2	7.5175	1.0359												
012.00	10	9	4.6348	1.8347	5.0084	1.0250	0.24159	20.47%	1.8342	0.06346	1.8353	39.57%	1.37%	39.60%	28.918	0.06111
012.01	6	6	4.9499	1.5676	5.6131	0.63862	0.18435	11.38%	1.5612	0.20127	1.5741	31.54%	4.07%	31.80%	7.8208	0.26627
012.03	4	4	5.5238	1.4087	5.5238	1.4087	0.49804	25.50%	1.4080	0.06052	1.4093	25.49%	1.10%	25.51%	23.287	0.08250
012.04	8	8	6.4643	2.1958	6.2249	2.0514	0.51285	32.95%	2.1820	0.34752	2.2095	33.75%	5.38%	34.18%	6.3579	0.36525
012.11	2	2	7.6525	1.8562												
013.00	12	12	5.8482	0.62124	5.8343	0.64015	0.13067	10.97%	0.60592	0.19394	0.63620	10.36%	3.32%	10.88%	3.2805	0.19190
013.02	105	29	5.6519	0.52260	5.7096	0.47258	0.06205	8.28%	0.48863	0.26212	0.55450	8.65%	4.64%	9.81%	2.1154	0.27261

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013.10	14	13	5.3214	1.1086	5.5460	0.52864	0.10367	9.53%	1.1046	0.13198	1.1125	20.76%	2.48%	20.91%	8.4292	0.13349
013.11	1		3.5905													
013.12	1		6.5000													
013.13	2	2	5.6550	0.64347												
015.41	4	4	20.585	12.816	20.585	12.816	4.5311	62.26%	12.799	0.93441	12.833	62.17%	4.54%	62.34%	13.734	1.2429
015.42	3	3	17.870	2.8779	17.870	2.8779	1.1749	16.10%	2.1229	2.7481	3.4725	11.88%	15.38%	19.43%	1.2636	3.0400
015.43	3	3	27.963	3.2524	27.963	3.2524	1.3278	11.63%	2.9303	1.9958	3.5454	10.48%	7.14%	12.68%	1.7764	2.2000
015.52	1		27.534													
015.53	1		26.000													
016.42	1		0.00000													
016.53	1		0.00000													
017.41	2	2	8.5900	10.748												
017.42	3	3	1.9273	1.9064	1.9273	1.9064	0.77827	98.91%	1.8965	0.27365	1.9162	98.40%	14.20%	99.42%	7.0023	0.23000
017.43	3	3	2.6433	0.92230	2.6433	0.92230	0.37653	34.89%	0.92004	0.09129	0.92455	34.81%	3.45%	34.98%	10.128	0.10000
017.53	1		2.0500													
018.41	1		0.03400													
018.42	1		0.00000													
018.52	1		0.04400													
018.53	1		0.03550													
019.00	6	5	0.06224	0.07681	0.06224	0.07681	0.02429	123.41%	0.07681	0.00032	0.07681	123.41%	0.51%	123.41%	242.91	0.00020
019.02	1		0.03000													
019.03	2	2	0.04500	0.02121												
019.08	5	5	0.08000	0.09962	0.08000	0.09962	0.03150	124.53%	0.09932	0.01095	0.09992	124.15%	13.69%	124.91%	9.1219	0.01200
019.31	15	15	0.03489	0.01073	0.03597	0.00824	0.00150	22.92%	0.01055	0.00279	0.01091	30.22%	7.99%	31.26%	3.9141	0.00216
019.32	4	4	0.04685	0.02371	0.04685	0.02371	0.00838	50.62%	0.02320	0.00692	0.02421	49.53%	14.78%	51.68%	3.4975	0.00920
019.33	1		0.00975													
019.41	31	29	0.03922	0.00858	0.03751	0.00463	0.00061	12.36%	0.00808	0.00407	0.00905	20.60%	10.38%	23.07%	2.2234	0.00313
019.42	19	18	0.05602	0.03835	0.04953	0.02233	0.00372	45.08%	0.03803	0.00698	0.03867	67.89%	12.46%	69.02%	5.5383	0.00634
019.43	8	8	0.04388	0.01488	0.04127	0.01076	0.00269	26.09%	0.01455	0.00436	0.01519	33.17%	9.93%	34.62%	3.4851	0.00400
019.52	1		0.03665													
019.53	2	2	0.03775	0.00318												
019.99	2	2	4.5478	5.9507												
020.32	1		0.00000													
020.41	2	2	0.32863	0.10094												
020.42	1		0.00000													
020.43	1		0.60500													
020.52	1		1.9935													
020.53	1		0.35350													

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021.31	1		0.00000													
021.32	1		1.9356													
021.41	1		0.15000													
021.42	2	2	0.00000	0.00000												
021.43	2	2	0.14000	0.02121												
021.52	1		0.09250													
021.53	1		0.05500													
022.31	11	11	11.453	2.3567	11.748	1.2748	0.27179	10.85%	2.3069	0.68129	2.4054	20.14%	5.95%	21.00%	3.5307	0.70282
022.32	2	2	8.5637	3.5939												
022.33	1		11.330													
022.41	26	26	12.284	3.5700	12.343	1.6447	0.22807	13.32%	3.4925	1.0462	3.6458	28.43%	8.52%	29.68%	3.4850	1.1098
022.42	15	14	12.580	3.1510	11.873	1.1758	0.22221	9.90%	3.1261	0.55954	3.1758	24.85%	4.45%	25.25%	5.6756	0.43071
022.43	9	9	10.690	1.8393	10.690	2.0858	0.49163	19.51%	1.7466	0.81569	1.9276	16.34%	7.63%	18.03%	2.3632	0.83111
022.52	1		11.364													
022.53	2	2	11.450	0.63640												
022.99	1		10.500													
025.31	10	10	84.357	27.570	77.430	10.592	2.3684	13.68%	27.475	3.2400	27.665	32.57%	3.84%	32.80%	8.5386	3.4988
025.32	2	2	65.768	6.2968												
025.33	1		73.875													
025.41	26	25	76.559	7.7220	75.084	3.8340	0.54221	5.11%	6.4337	6.0395	8.8243	8.40%	7.89%	11.53%	1.4611	5.1362
025.42	17	16	86.592	20.519	81.630	10.833	1.9149	13.27%	20.426	2.7594	20.611	23.59%	3.19%	23.80%	7.4693	2.4708
025.43	9	9	85.368	12.691	84.157	8.7982	2.0737	10.45%	11.494	7.6089	13.784	13.46%	8.91%	16.15%	1.8116	7.4456
025.52	1		80.092													
025.53	1		72.000													
025.99	1		96.000													
026.42	1		0.00000													
026.52	1		0.03450													
026.53	1		0.02250													
027.31	11	11	0.05635	0.00558	0.05560	0.00437	0.00093	7.86%	0.00551	0.00125	0.00565	9.78%	2.22%	10.03%	4.5192	0.00110
027.32	4	4	0.05989	0.00369	0.05989	0.00369	0.00130	6.16%	0.00255	0.00377	0.00455	4.27%	6.29%	7.60%	1.2084	0.00358
027.33	1		0.04800													
027.41	27	26	0.05797	0.00768	0.05867	0.00314	0.00044	5.35%	0.00722	0.00372	0.00812	12.45%	6.42%	14.01%	2.1822	0.00264
027.42	17	16	0.06320	0.01077	0.06102	0.00771	0.00136	12.64%	0.01049	0.00346	0.01105	16.60%	5.47%	17.48%	3.1956	0.00237
027.43	8	7	0.05843	0.00637	0.05814	0.00655	0.00175	11.26%	0.00637	0.00000	0.00637	10.91%	0.00%	10.91%		0.00000
027.52	1		0.05710													
027.53	2	2	0.05950	0.00071												
027.99	1		0.16000													
028.31	7	7	6.1876	1.0315	6.2933	0.93951	0.25109	14.93%	1.0036	0.33734	1.0588	16.22%	5.45%	17.11%	3.1385	0.34000

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028.32	2	2	5.7604	1.0784												
028.33	1		6.0885													
028.41	24	23	7.1399	1.2592	7.0895	0.65346	0.09635	9.22%	1.1386	0.76059	1.3693	15.95%	10.65%	19.18%	1.8003	0.59065
028.42	15	14	8.5354	2.9801	7.9088	1.1574	0.21872	14.63%	2.8400	1.2772	3.1139	33.27%	14.96%	36.48%	2.4381	1.0095
028.43	8	8	6.7378	2.3881	7.2572	0.89191	0.22298	12.29%	2.3142	0.83351	2.4598	34.35%	12.37%	36.51%	2.9511	0.76200
028.52	1		7.4575													
028.53	2	2	7.0550	0.00707												
029.99	1		0.07750													
031.00	3	3	0.24815	0.01498	0.24815	0.01498	0.00611	6.03%	0.00405	0.02039	0.02079	1.63%	8.22%	8.38%	1.0195	0.02263
031.01	23	22	0.26543	0.06833	0.24700	0.01274	0.00192	5.16%	0.06820	0.00608	0.06847	25.69%	2.29%	25.79%	11.270	0.00590
031.02	1		0.26000													
031.03	4	4	0.26143	0.07035	0.26143	0.07035	0.02487	26.91%	0.07008	0.00866	0.07061	26.81%	3.31%	27.01%	8.1527	0.01010
031.04	1		0.14500													
031.06	3	3	0.16367	0.11946	0.16367	0.11946	0.04877	72.99%	0.11816	0.02485	0.12074	72.20%	15.18%	73.77%	4.8596	0.02400
031.41	32	31	0.27050	0.12234	0.24312	0.01543	0.00196	6.35%	0.12223	0.00748	0.12246	45.19%	2.77%	45.27%	16.370	0.00734
031.42	19	19	0.23997	0.01832	0.24058	0.01936	0.00314	8.05%	0.01742	0.00803	0.01918	7.26%	3.35%	7.99%	2.3874	0.00696
031.43	8	8	0.24050	0.01350	0.24007	0.01433	0.00358	5.97%	0.01305	0.00490	0.01394	5.43%	2.04%	5.80%	2.8452	0.00500
031.52	1		0.19855													
031.53	2	2	0.24175	0.01662												
031.99	6	5	0.23600	0.06239	0.23600	0.06239	0.01973	26.44%	0.06215	0.00775	0.06263	26.33%	3.28%	26.54%	8.0855	0.00800
032.02	5	5	0.20499	0.01529	0.20499	0.01529	0.00484	7.46%	0.01438	0.00737	0.01615	7.01%	3.59%	7.88%	2.1927	0.00754
032.31	10	10	0.21470	0.03464	0.20950	0.02241	0.00501	10.70%	0.03397	0.00957	0.03530	15.82%	4.46%	16.44%	3.6879	0.01200
032.32	2	2	0.23000	0.00707												
032.41	25	25	0.21897	0.03726	0.21829	0.01540	0.00218	7.06%	0.03627	0.01206	0.03822	16.56%	5.51%	17.46%	3.1684	0.01240
032.42	18	17	0.20786	0.05609	0.21673	0.01556	0.00267	7.18%	0.05581	0.00788	0.05636	26.85%	3.79%	27.11%	7.1549	0.00794
032.43	7	7	0.20800	0.00931	0.20668	0.00772	0.00206	3.73%	0.00822	0.00618	0.01028	3.95%	2.97%	4.94%	1.6643	0.00686
032.52	1		0.21990													
032.53	2	2	0.21675	0.02369												
032.99	1		0.18500													
033.00	10	10	0.06905	0.05783	0.06905	0.06558	0.01466	94.97%	0.05590	0.02094	0.05969	80.96%	30.32%	86.45%	2.8508	0.02064
033.01	22	21	0.20525	0.29337	0.10065	0.03091	0.00477	30.71%	0.29334	0.00597	0.29340	142.91%	2.91%	142.94%	49.172	0.00663
033.03	2	2	0.06500	0.09192												
033.05	1		0.11000													
033.99	4	4	0.16400	0.25105	0.16400	0.25105	0.08876	153.08%	0.25074	0.01768	0.25136	152.89%	10.78%	153.27%	14.219	0.01250
034.04	5	5	1.0995	0.28340	1.0995	0.28340	0.08962	25.78%	0.28086	0.05359	0.28592	25.54%	4.87%	26.00%	5.3356	0.05340
034.42	2	2	0.00000	0.00000												
034.53	2	2	1.3065	0.23122												
035.01	3	3	0.24317	0.01636	0.24317	0.01636	0.00668	6.73%	0.01503	0.00914	0.01759	6.18%	3.76%	7.23%	1.9247	0.01033

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 sr	Reproducibility sR	Between Labs %RSD	Within Labs %rstd	Reproducibility %RSD	sR/sr	Average Range (R-bar)
035.05	5	5	0.22213	0.01461	0.22213	0.01461	0.00462	6.58%	0.01379	0.00681	0.01538	6.21%	3.07%	6.93%	2.2577	0.00690
035.31	13	13	0.21132	0.01603	0.21210	0.01647	0.00323	7.77%	0.01440	0.00995	0.01750	6.81%	4.71%	8.28%	1.7597	0.01005
035.32	3	3	0.23990	0.01819	0.23990	0.01819	0.00743	7.58%	0.01770	0.00598	0.01868	7.38%	2.49%	7.79%	3.1244	0.00793
035.41	27	26	0.21961	0.00875	0.21900	0.00817	0.00113	3.73%	0.00565	0.00945	0.01101	2.57%	4.30%	5.01%	1.1651	0.01087
035.42	16	15	0.22387	0.03429	0.21659	0.00902	0.00165	4.16%	0.03408	0.00538	0.03450	15.22%	2.40%	15.41%	6.4112	0.00553
035.43	6	5	0.20170	0.00745	0.20170	0.00745	0.00235	3.69%	0.00739	0.00130	0.00750	3.66%	0.65%	3.72%	5.7548	0.00100
035.52	1		0.21175													
035.53	2	2	0.22775	0.00318												
036.00	2	2	0.93000	0.07071												
036.04	3	3	1.0583	0.05774	1.0583	0.05774	0.02357	5.46%	0.05694	0.01354	0.05852	5.38%	1.28%	5.53%	4.3222	0.01667
036.42	15	14	0.92701	0.09186	0.92505	0.08863	0.01675	9.58%	0.09103	0.01737	0.09267	9.82%	1.87%	10.00%	5.3365	0.01556
036.43	5	5	0.96900	0.05116	0.96900	0.05116	0.01618	5.28%	0.04198	0.04135	0.05893	4.33%	4.27%	6.08%	1.4250	0.03800
036.53	1		0.83000													
036.99	1		1.0550													
037.31	11	11	57.018	3.9724	56.615	3.5130	0.74897	6.21%	3.8454	1.4094	4.0956	6.74%	2.47%	7.18%	2.9058	1.3738
037.32	2	2	71.370	17.988												
037.33	1		57.785													
037.41	25	24	58.423	4.8674	58.039	3.1881	0.46017	5.49%	2.8545	5.5754	6.2637	4.89%	9.54%	10.72%	1.1234	4.0444
037.42	16	15	58.913	5.4122	58.601	3.4367	0.62746	5.86%	5.2140	2.0524	5.6034	8.85%	3.48%	9.51%	2.7302	2.0427
037.43	9	9	59.318	6.5185	58.680	5.9112	1.3933	10.07%	5.9460	3.7778	7.0446	10.02%	6.37%	11.88%	1.8648	3.5511
037.52	1		50.422													
037.53	2	2	55.050	4.3134												
037.99	1		56.500													
038.41	3	3	0.54867	0.49738	0.54867	0.49738	0.20305	90.65%	0.47359	0.21491	0.52008	86.32%	39.17%	94.79%	2.4200	0.24300
038.42	2	2	0.77000	1.0889												
038.43	3	3	0.49000	0.50030	0.49000	0.50030	0.20425	102.10%	0.50017	0.01633	0.50043	102.07%	3.33%	102.13%	30.645	0.01333
038.52	1		0.72200													
038.53	1		0.68500													
039.31	1		2.9500													
039.42	1		0.00000													
039.52	1		0.42850													
039.53	1		0.36400													
040.42	1		0.98150													
041.42	1		0.00000													
101.01	1		111.00													
101.02	1		120.43													
101.99	1		0.00000													
102.01	2	2	25.988	2.3164												

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)
103.01	1		1.5981													
104.00	2	2	0.95110	0.22472												
104.03	1		0.77500													
105.00	2	2	0.39243	0.35698												
105.01	2	2	0.05425	0.07672												
106.01	1		0.00000													
106.02	9		Statistics not calculated													
107.00	1		0.68100													
108.01	1		0.00000													
108.02	2	2	0.18605	0.26311												
109.02	5	5	24.173	41.593	24.173	41.593	13.153	172.07%	41.580	1.4944	41.607	172.01%	6.18%	172.12%	27.842	1.1074
110.00	1		248.00													
112.00	1		5.6750													
114.01	1		0.21000													
120.00	13	13	6.0166	0.79555	6.2068	0.28287	0.05548	4.56%	0.79376	0.07545	0.79733	13.19%	1.25%	13.25%	10.568	0.08376
120.02	2	2	6.0066	0.36147												
120.05	2	2	5.7848	0.01096												
121.00	13	13	2.2868	0.13084	2.2808	0.11151	0.02187	4.89%	0.12850	0.03485	0.13314	5.62%	1.52%	5.82%	3.8206	0.03756
121.02	2	2	2.3389	0.03550												
121.05	2	2	2.4990	0.28143												
122.00	13	13	4.3641	0.19720	4.3109	0.12686	0.02488	2.94%	0.18988	0.07531	0.20427	4.35%	1.73%	4.68%	2.7124	0.07930
122.02	2	2	4.3614	0.00760												
122.05	2	2	3.7578	0.27754												
124.00	13	12	1.2868	0.05246	1.2895	0.05400	0.01102	4.19%	0.04184	0.04476	0.06127	3.25%	3.48%	4.76%	1.3690	0.04175
124.02	1		1.3855													
124.99	1		1.6005													
125.00	13	13	15.510	0.69125	15.510	0.78388	0.15373	5.05%	0.66687	0.25732	0.71479	4.30%	1.66%	4.61%	2.7779	0.25173
125.02	2	2	15.756	0.60931												
125.05	2	2	14.290	1.2735												
126.00	13	13	1.9234	0.06574	1.9169	0.05744	0.01126	3.00%	0.06290	0.02703	0.06847	3.27%	1.41%	3.56%	2.5325	0.02982
126.02	2	2	2.0139	0.12392												
126.05	2	2	2.0553	0.09581												
127.00	13	13	1.4537	0.05501	1.4654	0.03284	0.00644	2.24%	0.05216	0.02469	0.05771	3.59%	1.70%	3.97%	2.3371	0.02685
127.02	2	2	1.5423	0.12123												
127.05	2	2	1.6353	0.10006												
128.00	13	13	2.8135	0.20774	2.8305	0.17442	0.03421	6.16%	0.20286	0.06330	0.21250	7.21%	2.25%	7.55%	3.3573	0.06545
128.02	2	2	3.0409	0.20237												
128.05	2	2	3.1858	0.02864												

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)
129.00	13	13	12.012	0.40168	12.012	0.45550	0.08933	3.79%	0.38370	0.16806	0.41889	3.19%	1.40%	3.49%	2.4925	0.18155
129.02	2	2	12.173	0.41882												
129.05	2	2	12.312	0.01237												
130.00	13	13	1.0077	0.04815	1.0026	0.02827	0.00554	2.82%	0.04737	0.01217	0.04891	4.70%	1.21%	4.85%	4.0183	0.01310
130.01	1		1.0900													
130.02	2	2	0.99523	0.00110												
130.05	2	2	1.0090	0.17890												
131.00	13	13	1.7874	0.12343	1.7877	0.13421	0.02632	7.51%	0.12097	0.03466	0.12584	6.77%	1.94%	7.04%	3.6309	0.04010
131.02	2	2	1.7958	0.03652												
131.05	2	2	1.8403	0.02015												
131.99	1		1.9835													
132.00	13	13	4.5581	0.21009	4.5476	0.21393	0.04196	4.70%	0.20421	0.06983	0.21581	4.48%	1.53%	4.73%	3.0908	0.07289
132.02	2	2	4.6834	0.01860												
132.05	2	2	5.3533	0.78666												
133.00	13	13	6.7603	0.47678	6.7991	0.42992	0.08431	6.32%	0.47293	0.08555	0.48060	7.00%	1.27%	7.11%	5.6175	0.09108
133.05	2	2	7.0648	0.10642												
134.00	13	13	3.6256	0.44548	3.7268	0.17776	0.03486	4.77%	0.44000	0.09852	0.45089	12.14%	2.72%	12.44%	4.5766	0.10362
134.02	2	2	3.3815	0.38534												
134.05	2	2	3.8680	0.16758												
135.00	13	13	2.3727	0.18255	2.3817	0.11517	0.02259	4.84%	0.18034	0.04007	0.18474	7.60%	1.69%	7.79%	4.6107	0.04481
135.02	2	2	2.6477	0.21888												
135.05	2	2	2.2785	0.25456												
136.00	2	2	0.32215	0.02737												
136.01	4	4	0.35850	0.02140	0.35850	0.02140	0.00757	5.97%	0.02136	0.00187	0.02144	5.96%	0.52%	5.98%	11.461	0.00200
136.03	1		0.48050													
136.99	2	2	0.37750	0.03889												
137.00	7	7	3.6413	0.27950	3.7076	0.15857	0.04238	4.28%	0.27738	0.04863	0.28161	7.62%	1.34%	7.73%	5.7906	0.05126
137.02	2	2	3.8425	0.07502												
137.05	2	2	5.0700	0.15768												
138.00	13	12	3.1185	0.28967	3.1748	0.13701	0.02797	4.32%	0.28827	0.04025	0.29107	9.24%	1.29%	9.33%	7.2309	0.03675
138.02	2	2	3.6129	0.37215												
138.05	2	2	3.5273	0.15733												
139.00	3	3	0.09400	0.12045	0.09400	0.12045	0.04917	128.14%	0.12044	0.00245	0.12046	128.12%	2.61%	128.15%	49.178	0.00200
139.02	1		0.00000													
140.01	1		0.01900													
141.00	1		0.02850													
142.00	1		0.00700													
300.01	4		Statistics not calculated													

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
													0.00000	1	1	300.02
													Statistics not calculated	2	2	300.03
													0.00000	1	1	300.06
													4.2500	1	1	300.07