

AAFCO Check Sample Program
Method Performance & Summary Report



AAFCO
Check Sample Program



Sample # 201531

Distillers Dried Grains with Solubles
Regular Program

Labs Reporting: 212
Issue Date : 12/31/2015

Method Code	Total # Labs Submitting	# Labs in Method Precision Calcs	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
000.02	1		0.10000														
001.00	7	7	10.871	1.0082	10.748	0.74399	0.19884	6.92%	1.0024	0.15390	1.0141	9.22%	1.42%	9.33%	6.5892	0.19077	2.80%
001.03	11	10	10.451	0.18894	10.413	0.21983	0.04687	2.11%	0.18876	0.01183	0.18913	1.81%	0.11%	1.81%	15.984	0.01727	2.81%
001.05	1		9.6300														
001.07	42	38	10.536	0.64997	10.492	0.47425	0.05237	4.52%	0.64373	0.12706	0.65615	6.11%	1.21%	6.23%	5.1640	0.13554	2.81%
001.08	2	0															
001.99	20	19	11.023	1.3334	10.837	1.2810	0.20254	11.82%	1.3297	0.13926	1.3370	12.06%	1.26%	12.13%	9.6010	0.14150	2.79%
002.00	4	4	26.323	0.62815	26.323	0.62815	0.31408	2.39%	0.59658	0.27807	0.65821	2.27%	1.06%	2.50%	2.3670	0.30000	1.95%
002.01	11	9	25.995	0.30952	26.029	0.34330	0.07676	1.32%	0.30670	0.05893	0.31231	1.18%	0.23%	1.20%	5.3001	0.07720	1.96%
002.02	3	3	26.000	0.21791	26.000	0.21791	0.12581	0.84%	0.20591	0.10084	0.22928	0.79%	0.39%	0.88%	2.2737	0.10797	1.96%
002.04	6	6	25.619	0.67861	25.619	0.76955	0.22215	3.00%	0.66410	0.19738	0.69282	2.59%	0.77%	2.70%	3.5101	0.25500	1.98%
002.05	40	35	26.095	0.27544	26.081	0.24039	0.02758	0.92%	0.27210	0.06051	0.27874	1.04%	0.23%	1.07%	4.6065	0.06861	1.96%
002.06	132	123	26.391	0.26901	26.396	0.27307	0.01687	1.03%	0.24493	0.15731	0.29110	0.93%	0.60%	1.10%	1.8505	0.19524	1.95%
002.08	3	3	26.214	0.14211	26.214	0.14211	0.08205	0.54%	0.11960	0.10856	0.16152	0.46%	0.41%	0.62%	1.4878	0.11547	1.95%
002.10	1		26.545														
002.11	7	7	26.759	0.34400	26.759	0.39010	0.10426	1.46%	0.33578	0.10576	0.35204	1.25%	0.40%	1.32%	3.3286	0.11143	1.93%
002.99	3	3	21.688	9.1077	21.688	9.1077	5.2584	41.99%	9.1075	0.08416	9.1079	41.99%	0.39%	41.99%	108.22	0.11000	2.15%
003.00	15	13	5.3036	0.27387	5.3427	0.34136	0.06451	6.39%	0.25420	0.14414	0.29222	4.79%	2.72%	5.51%	2.0273	0.16048	3.11%
003.01	2	0															
003.06	18	16	5.1231	0.19634	5.1119	0.17387	0.02898	3.40%	0.18909	0.07475	0.20333	3.69%	1.46%	3.97%	2.7202	0.08194	3.13%
003.09	24	21	5.7739	0.79519	5.6960	0.81956	0.12084	14.39%	0.79430	0.05299	0.79607	13.76%	0.92%	13.79%	15.022	0.09190	3.08%
003.10	31	28	4.9226	0.15068	4.9298	0.12927	0.01669	2.62%	0.13875	0.08310	0.16173	2.82%	1.69%	3.29%	1.9462	0.08425	3.15%
003.11	6	6	6.4608	1.0335	6.0647	0.46348	0.13379	7.64%	1.0334	0.02217	1.0336	15.99%	0.34%	16.00%	46.614	0.02500	3.05%
003.12	8	6	5.2942	0.28826	5.2136	0.38408	0.10265	7.37%	0.28818	0.00957	0.28834	5.44%	0.18%	5.45%	30.116	0.01857	3.12%
003.13	9	9	5.0185	0.16636	5.0574	0.05458	0.01287	1.08%	0.15916	0.06846	0.17326	3.17%	1.36%	3.45%	2.5308	0.07567	3.13%
003.14	41	38	5.1315	0.26855	5.1464	0.25547	0.02821	4.96%	0.25595	0.11496	0.28058	4.99%	2.24%	5.47%	2.4407	0.12353	3.13%
003.99	4	3	5.5917	1.0857	5.5917	1.0857	0.62683	19.42%	1.0850	0.05370	1.0864	19.40%	0.96%	19.43%	20.232	1.0625	3.09%
004.00	24	22	6.8556	0.57489	6.8002	0.55318	0.08156	8.13%	0.56660	0.13752	0.58305	8.26%	2.01%	8.50%	4.2398	0.18762	3.00%
004.01	2	0															
004.03	3	3	7.8679	1.5474	7.8679	1.5474	0.89340	19.67%	1.5439	0.14839	1.5510	19.62%	1.89%	19.71%	10.452	0.17427	2.93%
004.06	32	31	6.9832	0.67828	6.9926	0.71509	0.08939	10.23%	0.67068	0.14318	0.68580	9.60%	2.05%	9.82%	4.7899	0.14244	2.98%
004.07	55	54	6.6595	0.62659	6.7021	0.63590	0.06063	9.49%	0.60839	0.21203	0.64428	9.14%	3.18%	9.67%	3.0386	0.23728	3.00%

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004.11	6	6	7.1058	0.97579	7.0983	0.92751	0.26775	13.07%	0.97290	0.10603	0.97866	13.69%	1.49%	13.77%	9.2304	0.12500	2.98%
004.99	3	3	6.6283	0.59909	6.6283	0.59909	0.34588	9.04%	0.58129	0.20498	0.61637	8.77%	3.09%	9.30%	3.0070	0.26333	3.01%
005.00	104	95	5.3763	0.28312	5.3585	0.23254	0.01628	4.34%	0.27646	0.08633	0.28962	5.14%	1.61%	5.39%	3.3548	0.10289	3.11%
005.02	1		6.3200														
005.05	38	33	5.2314	0.07719	5.2399	0.08764	0.01033	1.67%	0.07220	0.03860	0.08188	1.38%	0.74%	1.57%	2.1210	0.06209	3.12%
005.11	5	4	3.4000	1.4418	3.4000	1.4418	0.72088	42.40%	1.4417	0.01225	1.4418	42.40%	0.36%	42.41%	117.72	0.06000	3.33%
005.99	14	13	5.2989	0.21950	5.3221	0.25780	0.04872	4.84%	0.21487	0.06343	0.22403	4.05%	1.20%	4.23%	3.5320	0.06661	3.11%
006.00	1		0.88000														
006.01	1		2.3150														
006.05	1		1.8650														
006.99	2	0															
008.02	15	13	9.6448	1.0057	9.6448	1.3785	0.25168	14.29%	0.98116	0.31203	1.0296	10.17%	3.24%	10.67%	3.2996	0.40856	2.84%
008.05	1		9.1000														
008.08	36	33	8.7982	1.6502	8.8320	1.8240	0.22120	20.65%	1.6381	0.28286	1.6623	18.62%	3.21%	18.89%	5.8769	0.36494	2.88%
008.99	3	2	7.7825	0.02475	7.7825	0.02475	0.01750	0.32%		0.96629			12.42%		0.84333	2.94%	
009.07	13	11	27.465	2.8117	27.858	3.3527	0.65752	12.04%	2.8011	0.34607	2.8224	10.20%	1.26%	10.28%	8.1554	0.37604	1.89%
009.09	37	36	24.304	2.2825	24.438	2.6066	0.30301	10.67%	2.2586	0.46562	2.3061	9.29%	1.92%	9.49%	4.9528	0.53396	2.02%
009.99	4	4	28.295	1.6080	28.295	1.6080	0.80398	5.68%	1.3394	1.2582	1.8377	4.73%	4.45%	6.49%	1.4606	1.2250	1.88%
010.03	4	4	9.0113	0.31023	9.0113	0.31023	0.15511	3.44%	0.26145	0.23614	0.35231	2.90%	2.62%	3.91%	1.4919	0.27750	2.87%
010.11	6	5	10.486	1.0905	10.486	1.0905	0.34486	10.40%	1.0865	0.13282	1.0946	10.36%	1.27%	10.44%	8.2413	0.14000	2.81%
010.99	23	20	10.505	0.95173	10.453	0.88036	0.13272	8.42%	0.94940	0.09400	0.95405	9.04%	0.89%	9.08%	10.149	0.14181	2.81%
011.01	72	68	12.465	1.1769	12.549	1.1514	0.09731	9.18%	1.1697	0.18470	1.1842	9.38%	1.48%	9.50%	6.4113	0.19278	2.73%
011.02	2	0															
011.03	1		10.465														
011.99	4	4	11.484	0.74708	11.484	0.74708	0.37354	6.51%	0.74457	0.08639	0.74957	6.48%	0.75%	6.53%	8.6770	0.09250	2.77%
012.00	8	6	9.0282	0.87895	8.7898	0.87137	0.21784	9.91%	0.87823	0.05025	0.87967	9.73%	0.56%	9.74%	17.506	0.08875	2.88%
012.01	8	8	6.8513	0.47316	6.8441	0.52103	0.13026	7.61%	0.41806	0.31339	0.52248	6.10%	4.57%	7.63%	1.6672	0.38863	2.99%
012.03	3	2	7.1800	0.00707	7.1800	0.00707	0.00500	0.10%		0.08276			1.15%		0.08667	2.97%	
012.04	4	4	6.9463	1.3444	6.9463	1.3444	0.67219	19.35%	1.3405	0.14392	1.3482	19.30%	2.07%	19.41%	9.3680	0.18250	2.99%
012.11	3	3	8.4617	4.2186	8.4617	4.2186	2.4356	49.86%	4.2159	0.21560	4.2214	49.82%	2.55%	49.89%	19.580	0.27667	2.90%
013.00	20	19	7.5552	0.70465	7.4949	0.83508	0.13204	11.14%	0.69293	0.18102	0.71618	9.17%	2.40%	9.48%	3.9564	0.21562	2.95%
013.02	24	23	8.1157	0.42028	8.1268	0.38940	0.05621	4.79%	0.39289	0.21105	0.44599	4.84%	2.60%	5.50%	2.1131	0.21583	2.92%
013.08	1		6.7050														
013.10	8	6	7.5258	1.2697	7.4071	0.61465	0.16427	8.30%	1.2685	0.07776	1.2709	16.86%	1.03%	16.89%	16.344	0.17791	2.96%
013.12	1		7.6500														
013.13	3	3	8.4193	1.2480	8.4193	1.2480	0.72052	14.82%	1.2432	0.15502	1.2528	14.77%	1.84%	14.88%	8.0815	0.20933	2.90%
015.41	3	3	7.4751	5.4249	7.4751	5.4249	3.1321	72.57%	5.4119	0.53086	5.4379	72.40%	7.10%	72.75%	10.243	0.63383	11.82%
015.42	1		5.0500														
015.43	4	3	6.3099	2.6957	6.3099	2.6957	1.5564	42.72%	2.6722	0.50174	2.7189	42.35%	7.95%	43.09%	5.4191	3.1693	12.12%
015.53	1		5.5675														
017.41	2	0															
017.42	4	4	6.9397	0.50958	6.9397	0.50958	0.25479	7.34%	0.49302	0.18222	0.52562	7.10%	2.63%	7.57%	2.8845	0.21470	11.95%
017.43	6	5	7.8367	1.6084	7.8367	1.6084	0.50861	20.52%	1.5827	0.40440	1.6336	20.20%	5.16%	20.85%	4.0395	0.44420	11.73%

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017.53	1		6.5080														
019.00	14	11	0.13937	0.06198	0.13520	0.04810	0.00982	35.58%	0.06185	0.00557	0.06210	44.38%	4.00%	44.56%	11.144	0.00622	5.41%
019.02	1		0.42500														
019.03	1		0.21530														
019.08	7	6	0.09450	0.03309	0.09912	0.02691	0.00777	27.15%	0.03241	0.00944	0.03376	34.30%	9.99%	35.73%	3.5753	0.01133	5.66%
019.09	1		0.13000														
019.31	24	20	0.11265	0.02122	0.10666	0.01601	0.00241	15.01%	0.02073	0.00643	0.02170	18.40%	5.71%	19.27%	3.3738	0.00660	5.60%
019.32	4	4	0.10111	0.01941	0.10111	0.01941	0.00970	19.19%	0.01790	0.01061	0.02080	17.70%	10.49%	20.58%	1.9616	0.01258	5.65%
019.33	1		0.08840														
019.41	37	32	0.10519	0.00801	0.10616	0.00861	0.00103	8.11%	0.00705	0.00537	0.00886	6.70%	5.10%	8.42%	1.6508	0.00477	5.61%
019.42	22	21	0.11682	0.01906	0.11222	0.01084	0.00163	9.66%	0.01852	0.00637	0.01958	15.85%	5.45%	16.76%	3.0741	0.00600	5.56%
019.43	16	15	0.11229	0.01931	0.10970	0.01000	0.00177	9.11%	0.01914	0.00362	0.01948	17.05%	3.22%	17.35%	5.3811	0.00324	5.58%
019.44	2	0															
019.52	2	0															
019.53	4	3	0.10583	0.00993	0.10583	0.00993	0.00573	9.38%	0.00743	0.00932	0.01192	7.02%	8.80%	11.26%	1.2788	0.04825	5.61%
019.99	6	3	0.10083	0.00144	0.10083	0.00144	0.00046	1.43%	0.00141	0.00041	0.00147	1.40%	0.40%	1.46%	3.6056	0.00220	5.65%
021.31	1		1.6500														
021.41	1		0.09350														
021.42	1		0.22020														
021.43	2																
021.52	1		0.00000														
021.53	4	3	0.09963	0.02670	0.09963	0.02670	0.01542	26.80%	0.02595	0.00891	0.02744	26.05%	8.94%	27.54%	3.0796	0.01227	22.00%
022.31	14	11	5.4734	0.80334	5.3208	0.74745	0.14659	14.05%	0.79811	0.12939	0.80854	14.58%	2.36%	14.77%	6.2486	0.17092	12.44%
022.32	4	4	7.6639	1.8281	7.6639	1.8281	0.91406	23.85%	1.6662	1.0636	1.9768	21.74%	13.88%	25.79%	1.8585	1.2878	11.77%
022.33	1		4.5750														
022.41	28	27	5.3491	1.2873	5.2269	0.74297	0.09928	14.21%	1.2057	0.63789	1.3640	22.54%	11.93%	25.50%	2.1384	0.70713	12.47%
022.42	19	16	5.5564	1.6965	5.5440	0.87351	0.14559	15.76%	1.6806	0.32704	1.7121	30.25%	5.89%	30.81%	5.2352	0.33417	12.36%
022.43	16	15	4.9909	0.39086	5.0268	0.38704	0.06842	7.70%	0.36197	0.20859	0.41777	7.25%	4.18%	8.37%	2.0028	0.24341	12.55%
022.44	1		5.1850														
022.52	2	0															
022.53	5	4	5.2788	0.51474	5.2788	0.51474	0.25737	9.75%	0.51297	0.06031	0.51650	9.72%	1.14%	9.78%	8.5639	0.20560	12.45%
022.99	2	0															
025.31	16	13	65.693	5.3216	64.319	5.2300	0.95486	8.13%	5.1722	1.7704	5.4668	7.87%	2.69%	8.32%	3.0879	2.4478	8.55%
025.32	3	2	70.710	4.5821	70.710	4.5821	3.2400	6.48%	4.5753	0.35114	4.5888	6.47%	0.50%	6.49%	13.068	19.633	8.43%
025.33	1		65.880														
025.34	1		71.325														
025.41	32	29	64.581	4.4353	64.815	4.5064	0.57231	6.95%	4.0862	2.4391	4.7588	6.33%	3.78%	7.37%	1.9510	2.8515	8.54%
025.42	17	16	70.491	8.5347	71.908	5.6832	0.97466	7.90%	8.0987	3.8085	8.9495	11.49%	5.40%	12.70%	2.3499	3.3520	8.41%
025.43	15	14	66.709	9.1249	65.986	5.4604	0.99693	8.28%	8.9923	2.1921	9.2557	13.48%	3.29%	13.87%	4.2222	2.9192	8.52%
025.52	3	3	64.718	10.055	64.718	10.055	5.8051	15.54%	9.2944	5.4240	10.761	14.36%	8.38%	16.63%	1.9840	7.3967	8.54%
025.53	2	0															
025.99	2	0															
027.31	19	18	0.34594	0.02394	0.34794	0.02404	0.00390	6.91%	0.02310	0.00885	0.02474	6.68%	2.56%	7.15%	2.7952	0.01049	4.69%

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027.32	4	4	0.36030	0.00947	0.36030	0.00947	0.00473	2.63%	0.00943	0.00126	0.00951	2.62%	0.35%	2.64%	7.5186	0.00120	4.66%
027.33	3	3	0.34115	0.03177	0.34115	0.03177	0.01834	9.31%	0.03158	0.00478	0.03195	9.26%	1.40%	9.36%	6.6772	0.00597	4.70%
027.41	35	33	0.35454	0.01602	0.35604	0.01564	0.00190	4.39%	0.01527	0.00688	0.01675	4.31%	1.94%	4.72%	2.4329	0.00781	4.67%
027.42	21	20	0.35794	0.01967	0.36054	0.01990	0.00307	5.52%	0.01782	0.01178	0.02136	4.98%	3.29%	5.97%	1.8134	0.01031	4.66%
027.43	17	17	0.36438	0.02267	0.36648	0.01913	0.00328	5.22%	0.02235	0.00535	0.02298	6.13%	1.47%	6.31%	4.2957	0.00628	4.65%
027.44	2	0															
027.52	2	0															
027.53	3	2	0.37700	0.01202	0.37700	0.01202	0.00850	3.19%	0.01197	0.00158	0.01207	3.17%	0.42%	3.20%	7.6354	0.02567	4.63%
027.99	3	2	0.37000	0.02828	0.37000	0.02828	0.02000	7.64%	0.02828	0.00000	0.02828	7.64%	0.00%	7.64%		0.00250	4.65%
028.31	14	13	12.800	1.3896	12.683	1.5811	0.29880	12.47%	1.3733	0.29974	1.4056	10.73%	2.34%	10.98%	4.6895	0.32675	10.91%
028.32	4	3	15.692	1.5901	15.692	1.5901	0.91803	10.13%	1.5511	0.49499	1.6281	9.88%	3.15%	10.38%	3.2892	2.4225	10.57%
028.33	1		10.775														
028.41	30	29	13.311	1.7041	13.301	0.96488	0.12456	7.25%	1.6466	0.62113	1.7598	12.37%	4.67%	13.22%	2.8332	0.63983	10.84%
028.42	20	17	13.686	1.2907	13.754	1.1691	0.18966	8.50%	1.2231	0.58314	1.3550	8.94%	4.26%	9.90%	2.3236	0.68302	10.78%
028.43	16	15	13.169	1.1864	13.450	0.95846	0.16943	7.13%	1.1665	0.30575	1.2059	8.86%	2.32%	9.16%	3.9442	0.32316	10.82%
028.44	2																
028.52	2	0															
028.53	3	3	13.745	0.75916	13.745	0.75916	0.43830	5.52%	0.71123	0.37544	0.80424	5.17%	2.73%	5.85%	2.1421	0.44867	10.78%
028.99	2	0															
031.00	2	0															
031.01	46	41	0.95505	0.04451	0.95701	0.03331	0.00351	3.48%	0.04319	0.01523	0.04579	4.52%	1.59%	4.79%	3.0067	0.01860	4.03%
031.02	3	3	0.99283	0.01338	0.99283	0.01338	0.00773	1.35%	0.01274	0.00577	0.01399	1.28%	0.58%	1.41%	2.4231	0.00673	4.00%
031.03	4	3	0.98172	0.03379	0.98172	0.03379	0.01951	3.44%	0.03376	0.00207	0.03382	3.44%	0.21%	3.45%	16.308	0.00678	4.01%
031.06	2	0															
031.41	38	34	0.95887	0.05744	0.96726	0.05691	0.00671	5.88%	0.05687	0.01138	0.05800	5.93%	1.19%	6.05%	5.0945	0.01298	4.02%
031.42	23	22	0.95963	0.05699	0.95470	0.04038	0.00595	4.23%	0.05324	0.02878	0.06052	5.55%	3.00%	6.31%	2.1031	0.03123	4.03%
031.43	17	16	0.98339	0.04204	0.98927	0.04612	0.00791	4.66%	0.04035	0.01668	0.04367	4.10%	1.70%	4.44%	2.6176	0.01971	4.01%
031.44	2	0															
031.52	1		0.96755														
031.53	4	4	0.97436	0.05289	0.97436	0.05289	0.02644	5.43%	0.05028	0.02322	0.05538	5.16%	2.38%	5.68%	2.3852	0.02838	4.02%
031.99	6	6	0.99089	0.06083	0.97661	0.03897	0.01125	3.99%	0.06046	0.00939	0.06119	6.10%	0.95%	6.18%	6.5162	0.01128	4.01%
032.02	3	3	1.2950	0.08544	1.2950	0.08544	0.04933	6.60%	0.08451	0.01780	0.08636	6.53%	1.37%	6.67%	4.8531	0.02333	3.85%
032.08	1		1.3185														
032.31	18	15	1.2734	0.05525	1.2594	0.05282	0.00906	4.19%	0.05443	0.01345	0.05607	4.27%	1.06%	4.40%	4.1693	0.01853	3.86%
032.32	3	3	1.2380	0.03251	1.2380	0.03251	0.01877	2.63%	0.03020	0.01701	0.03467	2.44%	1.37%	2.80%	2.0379	0.01867	3.87%
032.41	36	32	1.2594	0.08293	1.2602	0.06591	0.00788	5.23%	0.08222	0.01531	0.08363	6.53%	1.22%	6.64%	5.4629	0.01943	3.86%
032.42	22	22	1.2603	0.07013	1.2604	0.07941	0.01197	6.30%	0.06429	0.03960	0.07551	5.10%	3.14%	5.99%	1.9069	0.04215	3.86%
032.43	19	18	1.2748	0.05270	1.2713	0.05297	0.00859	4.17%	0.05163	0.01492	0.05374	4.05%	1.17%	4.22%	3.6021	0.01712	3.86%
032.44	2	0															
032.52	1		1.2604														
032.53	3	3	1.3647	0.09287	1.3647	0.09287	0.05362	6.81%	0.08621	0.04886	0.09909	6.32%	3.58%	7.26%	2.0280	0.04600	3.82%
032.99	4	4	1.2070	0.11438	1.2070	0.11438	0.05719	9.48%	0.11430	0.00631	0.11447	9.47%	0.52%	9.48%	18.142	0.00858	3.89%
033.00	13	12	0.26010	0.08334	0.25296	0.05108	0.01002	20.19%	0.08300	0.01054	0.08367	31.91%	4.05%	32.17%	7.9412	0.01152	4.92%

Method Code	Total # Labs Submitting	# Labs in Method Precision Calcs	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
033.01	24	20	0.28666	0.02349	0.28262	0.01598	0.00236	5.65%	0.02328	0.00438	0.02369	8.12%	1.53%	8.26%	5.4077	0.00587	4.84%
033.03	3	3	0.25333	0.07112	0.25333	0.07112	0.04106	28.07%	0.06958	0.02082	0.07263	27.47%	8.22%	28.67%	3.4890	0.02000	4.92%
033.99	5	5	0.53560	0.51226	0.53560	0.51226	0.22909	95.64%	0.51207	0.01935	0.51244	95.61%	3.61%	95.68%	26.483	0.02240	4.39%
034.01	1		0.53500														
034.04	3	3	0.42500	0.07697	0.42500	0.07697	0.04444	18.11%	0.07591	0.01800	0.07802	17.86%	4.24%	18.36%	4.3344	0.02267	18.20%
034.42	1		2.1000														
034.52	1		0.52000														
034.53	5	5	0.65272	0.11478	0.65272	0.11478	0.05133	17.58%	0.11291	0.02917	0.11662	17.30%	4.47%	17.87%	3.9978	0.02848	17.06%
034.99	1		0.46500														
035.01	4	4	0.26575	0.01261	0.26575	0.01261	0.00630	4.74%	0.01006	0.01075	0.01472	3.78%	4.04%	5.54%	1.3696	0.01250	4.88%
035.05	3	3	0.27333	0.01258	0.27333	0.01258	0.00726	4.60%	0.01041	0.01000	0.01443	3.81%	3.66%	5.28%	1.4434	0.01333	4.86%
035.31	19	17	0.25497	0.02028	0.25530	0.02498	0.00405	9.79%	0.01885	0.01056	0.02161	7.39%	4.14%	8.47%	2.0462	0.01196	4.91%
035.32	3	2	0.25163	0.02599	0.25163	0.02599	0.01838	10.33%	0.02596	0.00155	0.02601	10.32%	0.62%	10.34%	16.780	0.01103	4.92%
035.41	37	34	0.25970	0.01591	0.25946	0.01456	0.00172	5.61%	0.01539	0.00571	0.01641	5.92%	2.20%	6.32%	2.8751	0.00612	4.90%
035.42	18	18	0.25568	0.02153	0.25750	0.01973	0.00329	7.66%	0.02075	0.00810	0.02227	8.12%	3.17%	8.71%	2.7514	0.00907	4.91%
035.43	15	14	0.25944	0.01316	0.25769	0.01630	0.00298	6.32%	0.01269	0.00493	0.01361	4.89%	1.90%	5.25%	2.7597	0.00469	4.91%
035.52	1		0.25460														
035.53	4	3	0.28517	0.02039	0.28517	0.02039	0.01177	7.15%	0.01040	0.02480	0.02689	3.65%	8.70%	9.43%	1.0844	0.08350	4.83%
035.99	4	4	0.45240	0.29092	0.45240	0.29092	0.14546	64.30%	0.29086	0.00796	0.29097	64.29%	1.76%	64.32%	36.559	0.00815	4.51%
036.00	1		0.80450														
036.04	6	6	0.81669	0.05220	0.81669	0.05920	0.01709	7.25%	0.04977	0.02227	0.05453	6.09%	2.73%	6.68%	2.4485	0.02555	4.12%
036.42	23	21	0.77535	0.04693	0.77312	0.05213	0.00786	6.74%	0.04552	0.01614	0.04830	5.87%	2.08%	6.23%	2.9916	0.02016	4.16%
036.43	10	9	0.81176	0.03468	0.81445	0.03706	0.00829	4.55%	0.03324	0.01400	0.03607	4.09%	1.72%	4.44%	2.5759	0.01854	4.13%
036.53	1		0.81400														
036.99	2	0															
037.31	15	14	54.158	3.0595	53.353	2.6995	0.49286	5.06%	2.8602	1.5361	3.2466	5.28%	2.84%	5.99%	2.1136	1.5609	8.79%
037.32	4	3	54.462	3.0676	54.462	3.0676	1.7711	5.63%	3.0087	0.84634	3.1254	5.52%	1.55%	5.74%	3.6929	2.4425	8.76%
037.33	2	0															
037.41	30	29	53.890	3.5170	53.855	3.6485	0.47907	6.77%	3.4222	1.1471	3.6093	6.35%	2.13%	6.70%	3.1465	1.1641	8.78%
037.42	21	19	53.612	3.8334	53.508	3.6876	0.59821	6.89%	3.5047	2.1962	4.1360	6.54%	4.10%	7.71%	1.8832	2.2168	8.79%
037.43	16	13	55.107	4.4651	55.121	3.7905	0.69205	6.88%	4.4145	0.94806	4.5152	8.01%	1.72%	8.19%	4.7625	1.4006	8.75%
037.44	1		53.900														
037.52	2	0															
037.53	3	3	55.872	6.0201	55.872	6.0201	3.4757	10.77%	5.9146	1.5868	6.1238	10.59%	2.84%	10.96%	3.8592	2.0263	8.73%
037.99	3	3	61.667	9.7767	61.667	9.7767	5.6446	15.85%	9.7511	1.0000	9.8022	15.81%	1.62%	15.90%	9.8022	1.3333	8.60%
038.42	3	3	0.92960	0.06957	0.92960	0.06957	0.04017	7.48%	0.06619	0.03029	0.07280	7.12%	3.26%	7.83%	2.4032	0.03960	16.17%
038.43	4	4	0.86201	0.09294	0.86201	0.09294	0.04647	10.78%	0.07976	0.06746	0.10446	9.25%	7.83%	12.12%	1.5485	0.08443	16.36%
038.52	1		1.0100														
038.53	5	4	0.97734	0.03472	0.97734	0.03472	0.01736	3.55%	0.03469	0.00187	0.03474	3.55%	0.19%	3.55%	18.608	0.00766	16.05%
040.42	1		0.41500														
040.52	1		0.00000														
040.53	1		0.38640														
041.52	1		0.33500														

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101.00	1		1,369.1														
101.01	1		2,040.0														
101.02	1		2,900.0														
102.01	1		61.900														
102.02	1		173.32														
103.01	1		3.8800														
104.00	1		7.9250														
104.03	2	0															
105.00	1		2.9400														
106.01	1		0.00000														
106.02	7	2	7.2000	7.7782	14.102	13.159	5.3720	93.31%	7.7779	0.10000	7.7785	108.03%	1.39%	108.03%	77.785	0.83000	
108.02	2	0															
108.99	1		0.00000														
109.02	7	6	11.205	1.6082	11.205	1.8237	0.52646	16.28%	1.5846	0.38865	1.6315	14.14%	3.47%	14.56%	4.1980	0.39843	
110.00	1		58.760														
110.99	1		29.980														
113.01	1		0.74950														
114.01	1		0.22500														
120.00	17	16	1.8739	0.04076	1.8756	0.04354	0.00747	2.32%	0.03599	0.02705	0.04502	1.92%	1.44%	2.40%	1.6645	0.03174	3.64%
120.02	2	0															
120.05	5	5	1.8215	0.13801	1.8215	0.13801	0.06172	7.58%	0.13603	0.03296	0.13997	7.47%	1.81%	7.68%	4.2464	0.03180	3.65%
121.00	17	16	1.1377	0.03255	1.1414	0.03976	0.00682	3.48%	0.02980	0.01851	0.03508	2.62%	1.63%	3.08%	1.8956	0.01943	3.92%
121.02	2	0															
121.05	5	5	1.1250	0.06994	1.1250	0.06994	0.03128	6.22%	0.06504	0.03637	0.07452	5.78%	3.23%	6.62%	2.0490	0.04120	3.93%
122.00	17	16	1.7700	0.04974	1.7668	0.04361	0.00748	2.47%	0.04651	0.02492	0.05277	2.63%	1.41%	2.98%	2.1173	0.02999	3.67%
122.02	2	0															
122.05	5	4	1.7700	0.09069	1.7700	0.09069	0.04535	5.12%	0.08527	0.04367	0.09580	4.82%	2.47%	5.41%	2.1940	0.05360	3.67%
124.00	17	16	0.52056	0.03847	0.51461	0.03880	0.00665	7.54%	0.03747	0.01234	0.03945	7.20%	2.37%	7.58%	3.1968	0.01449	4.42%
124.01	1		0.54600														
124.02	2	0															
124.05	2	0															
125.00	17	15	4.3988	0.16040	4.3691	0.16352	0.02891	3.74%	0.15609	0.05223	0.16460	3.55%	1.19%	3.74%	3.1512	0.06143	3.20%
125.02	2	0															
125.05	5	5	4.0917	0.22217	4.0917	0.22217	0.09936	5.43%	0.21493	0.07953	0.22917	5.25%	1.94%	5.60%	2.8817	0.08420	3.24%
126.00	17	17	1.0834	0.03754	1.0835	0.03656	0.00627	3.37%	0.03494	0.01941	0.03997	3.22%	1.79%	3.69%	2.0590	0.02214	3.95%
126.02	2	0															
126.05	5	4	1.0793	0.03800	1.0793	0.03800	0.01900	3.52%	0.03749	0.00880	0.03851	3.47%	0.82%	3.57%	4.3744	0.02360	3.95%
127.00	17	16	0.75039	0.04503	0.74705	0.04104	0.00704	5.49%	0.04427	0.01165	0.04578	5.90%	1.55%	6.10%	3.9292	0.01553	4.18%
127.02	2	0															
127.05	5	5	0.72200	0.03667	0.72200	0.03667	0.01640	5.08%	0.03586	0.01084	0.03746	4.97%	1.50%	5.19%	3.4544	0.01120	4.20%
128.00	17	15	0.97388	0.02996	0.96874	0.03004	0.00531	3.10%	0.02861	0.01260	0.03126	2.94%	1.29%	3.21%	2.4808	0.01387	4.02%
128.02	2	0															
128.05	5	5	0.99180	0.04349	0.99180	0.04349	0.01945	4.38%	0.04253	0.01287	0.04443	4.29%	1.30%	4.48%	3.4526	0.01280	4.00%

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129.00	17	17	2.8912	0.08715	2.8908	0.09793	0.01679	3.39%	0.08372	0.03422	0.09045	2.90%	1.18%	3.13%	2.6431	0.03904	3.41%
129.02	2	0															
129.05	5	4	2.8620	0.08759	2.8620	0.08759	0.04380	3.06%	0.08552	0.02678	0.08961	2.99%	0.94%	3.13%	3.3461	0.05520	3.41%
130.00	18	16	0.88021	0.02500	0.87858	0.01687	0.00289	1.92%	0.02392	0.01031	0.02604	2.72%	1.17%	2.96%	2.5267	0.01222	4.08%
130.01	1		1.0850														
130.02	2	0															
130.05	5	5	0.92750	0.05278	0.92750	0.05278	0.02360	5.69%	0.04695	0.03411	0.05803	5.06%	3.68%	6.26%	1.7014	0.03820	4.05%
130.99	3	3	0.81320	0.10536	0.81320	0.10536	0.06083	12.96%	0.09577	0.06212	0.11415	11.78%	7.64%	14.04%	1.8377	0.06000	4.13%
131.00	18	16	0.52126	0.04278	0.51136	0.02524	0.00433	4.94%	0.04228	0.00922	0.04328	8.11%	1.77%	8.30%	4.6953	0.01180	4.42%
131.02	2	0															
131.05	3	3	0.49817	0.04754	0.49817	0.04754	0.02745	9.54%	0.03452	0.04623	0.05770	6.93%	9.28%	11.58%	1.2479	0.04833	4.44%
131.99	3	3	0.42152	0.13559	0.42152	0.13559	0.07828	32.17%	0.13147	0.04691	0.13959	31.19%	11.13%	33.12%	2.9757	0.05097	4.56%
132.00	17	15	1.2449	0.02752	1.2428	0.02699	0.00477	2.17%	0.02273	0.02195	0.03160	1.83%	1.76%	2.54%	1.4396	0.02321	3.87%
132.02	2	0															
132.05	5	4	1.2349	0.03162	1.2349	0.03162	0.01581	2.56%	0.03090	0.00952	0.03233	2.50%	0.77%	2.62%	3.3963	0.02300	3.87%
133.00	17	13	2.1765	0.06576	2.1712	0.08284	0.01464	3.82%	0.06234	0.02962	0.06902	2.86%	1.36%	3.17%	2.3302	0.04384	3.56%
133.05	5	5	2.1522	0.11503	2.1522	0.11503	0.05144	5.34%	0.11240	0.03460	0.11761	5.22%	1.61%	5.46%	3.3987	0.03160	3.56%
133.99	1		2.2700														
134.00	17	16	1.2933	0.05677	1.2877	0.04654	0.00798	3.61%	0.05575	0.01512	0.05776	4.31%	1.17%	4.47%	3.8203	0.02001	3.85%
134.02	2	0															
134.05	5	4	1.2889	0.04023	1.2889	0.04023	0.02012	3.12%	0.03946	0.01107	0.04099	3.06%	0.86%	3.18%	3.7014	0.02620	3.85%
135.00	17	15	1.0450	0.04824	1.0542	0.05839	0.01001	5.54%	0.04764	0.01068	0.04882	4.56%	1.02%	4.67%	4.5704	0.01345	3.97%
135.02	2	0															
135.05	5	4	1.0813	0.07739	1.0813	0.07739	0.03869	7.16%	0.07732	0.00453	0.07745	7.15%	0.42%	7.16%	17.107	0.02760	3.95%
135.99	1		1.0550														
136.00	5	5	0.23043	0.02078	0.23043	0.02078	0.00929	9.02%	0.02041	0.00546	0.02113	8.86%	2.37%	9.17%	3.8697	0.00538	4.99%
136.01	3	2	0.21000	0.00707	0.21000	0.00707	0.00500	3.37%	0.00707	0.00000	0.00707	3.37%	0.00%	3.37%		0.00033	5.06%
136.02	2	0															
136.03	3	3	0.21867	0.00928	0.21867	0.00928	0.00536	4.24%	0.00911	0.00252	0.00945	4.16%	1.15%	4.32%	3.7539	0.00267	5.03%
136.99	1		0.22500														
137.00	11	10	0.97251	0.10245	0.97708	0.10785	0.02299	11.04%	0.10207	0.01248	0.10283	10.50%	1.28%	10.57%	8.2378	0.01886	4.01%
137.02	2	0															
137.05	5	4	1.0608	0.03015	1.0608	0.03015	0.01507	2.84%	0.02357	0.02658	0.03553	2.22%	2.51%	3.35%	1.3366	0.07040	3.96%
138.00	17	16	1.2791	0.04201	1.2830	0.03478	0.00596	2.71%	0.03996	0.01833	0.04396	3.12%	1.43%	3.44%	2.3981	0.02275	3.85%
138.02	2	0															
138.05	5	5	1.3091	0.09479	1.3091	0.09479	0.04239	7.24%	0.09323	0.02423	0.09632	7.12%	1.85%	7.36%	3.9747	0.02620	3.84%
139.02	1		0.00000														
160.99	3																
162.99	4	3	0.42750	0.11929	0.42750	0.11929	0.06887	27.90%	0.11897	0.01231	0.11961	27.83%	2.88%	27.98%	9.7173	0.03825	4.55%
163.99	2																
164.99	1		0.00000														
165.99	3																
166.99	1		0.00000														

Method Code	Total # Labs Submitting	# Labs in Method Precision Calcs	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
167.99	1		0.00000														
400.01	3	3	0.57092	0.00614	0.57092	0.00614	0.00354	1.07%	0.00522	0.00457	0.00693	0.91%	0.80%	1.21%	1.5185	0.00510	
400.99	1		0.58600														
516.52	1		0.00000														
516.53	4	0														0.00150	
518.41	1		0.00600														
518.43	1		0.00000														
518.52	1		0.00000														
518.53	3																
520.41	2	0															
520.43	1		0.21000														
520.52	1		0.27500														
520.53	5	5	0.32498	0.14432	0.32498	0.14432	0.06454	44.41%	0.14161	0.03934	0.14697	43.57%	12.11%	45.22%	3.7358	0.03888	18.95%
526.41	1		0.03900														
526.43	1		0.00000														
526.52	1		0.00000														
526.53	6	4	0.03664	0.00668	0.03664	0.00668	0.00236	18.23%	0.00644	0.00251	0.00691	17.58%	6.85%	18.86%	2.7534	0.00273	22.00%
529.00	1		0.00000														
529.99	2																
539.41	1		0.92750														
539.43	1		0.82400														
539.52	1		0.97500														
539.53	2	0															
600.01	1		1.6700														
600.12	1		2.6000														
600.20	1		0.00000														
600.98	2	0															
610.98	1		1,150.0														
710.99	1		0.00400														
718.99	1		0.00800														
726.99	1		4.2965														
728.99	1		0.14200														
736.99	1		0.00000														
740.99	1		0.00000														
746.99	1		0.00000														
750.99	1		0.00000														
754.99	1		0.14500														
756.99	1		4.3000														