

AAFCO Check Sample Program

All Methods Report

Sort by Method

Proficiency For Individual Methods

Sample # 201327

Corn Gluten Meal



AAFCO

Check Sample Program

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
000.02	1		59.135														
001.00	9	5	9.7460	0.40242	9.7460	0.40242	0.12726	4.13%	0.39708	0.09241	0.40769	4.07%	0.95%	4.18%	4.4117	0.10800	2.84%
001.01	1		10.855														
001.03	10	9	9.7340	0.20546	9.7310	0.19447	0.04348	2.00%	0.20524	0.01350	0.20569	2.11%	0.14%	2.11%	15.239	0.01956	2.84%
001.05	1		9.8950														
001.07	38	35	9.7459	0.35336	9.7472	0.34506	0.04011	3.54%	0.34525	0.10648	0.36129	3.54%	1.09%	3.71%	3.3931	0.11838	2.84%
001.08	4	4	9.6775	0.49336	9.6775	0.49336	0.17443	5.10%	0.47029	0.21089	0.51541	4.86%	2.18%	5.33%	2.4440	0.24000	2.84%
001.99	15	10	9.6423	0.59998	9.5812	0.59630	0.12172	6.22%	0.59720	0.08164	0.60276	6.19%	0.85%	6.25%	7.3827	0.09950	2.85%
002.00	5	5	59.607	1.0525	59.607	1.0525	0.33283	1.77%	1.0140	0.39871	1.0896	1.70%	0.67%	1.83%	2.7328	0.43760	2.16%
002.01	14	11	59.582	0.47131	59.574	0.43212	0.08821	0.73%	0.46985	0.05256	0.47278	0.79%	0.09%	0.79%	8.9951	0.07268	2.16%
002.02	5	4	59.778	0.06995	59.922	0.32852	0.10389	0.55%	0.05550	0.06020	0.08188	0.09%	0.10%	0.14%	1.3602	0.05844	2.16%
002.04	4	4	58.070	2.3466	58.070	2.3466	0.82965	4.04%	2.3428	0.18901	2.3504	4.03%	0.33%	4.05%	12.435	0.25000	2.17%
002.05	44	39	59.718	0.44124	59.667	0.47196	0.05150	0.79%	0.43514	0.10336	0.44725	0.73%	0.17%	0.75%	4.3271	0.13283	2.16%
002.06	213	128	60.065	0.53599	60.092	0.43975	0.02676	0.73%	0.52274	0.16754	0.54893	0.87%	0.28%	0.91%	3.2765	0.18907	2.16%
002.07	1		59.970														
002.08	3	3	59.558	0.80344	59.558	0.80344	0.32800	1.35%	0.78971	0.20916	0.81694	1.33%	0.35%	1.37%	3.9059	0.20980	2.16%
002.10	3	3	58.472	2.4459	58.472	2.4459	0.99855	4.18%	2.4258	0.44323	2.4659	4.15%	0.76%	4.22%	5.5636	0.54533	2.17%
002.11	6	6	59.982	1.2325	59.817	1.0551	0.30457	1.76%	1.2297	0.11690	1.2352	2.05%	0.19%	2.06%	10.567	0.12800	2.16%
002.99	4	4	60.096	0.62835	60.096	0.62835	0.22216	1.05%	0.61028	0.21157	0.64591	1.02%	0.35%	1.07%	3.0529	0.26750	2.16%
003.00	11	9	2.4261	0.70840	2.2521	0.16290	0.03643	7.23%	0.70590	0.08423	0.71090	29.10%	3.47%	29.30%	8.4402	0.08600	3.54%
003.01	2	0															
003.06	19	18	2.1247	0.23886	2.1534	0.11002	0.01785	5.11%	0.23558	0.05580	0.24210	11.09%	2.63%	11.39%	4.3385	0.06526	3.56%
003.09	26	23	2.2354	0.21063	2.2474	0.20675	0.02984	9.20%	0.20134	0.08749	0.21952	9.01%	3.91%	9.82%	2.5091	0.08600	3.54%
003.10	38	31	2.0858	0.20797	2.0843	0.17167	0.02052	8.24%	0.20340	0.06131	0.21244	9.75%	2.94%	10.19%	3.4650	0.07263	3.58%
003.11	6	5	1.7850	0.60400	2.0492	0.95599	0.27597	46.65%	0.60384	0.01975	0.60416	33.83%	1.11%	33.85%	30.593	0.02500	3.59%
003.12	13	11	2.2092	0.08796	2.2176	0.09985	0.02038	4.50%	0.08707	0.01762	0.08884	3.94%	0.80%	4.02%	5.0417	0.01777	3.55%
003.13	7	6	2.0293	0.09651	2.0564	0.03676	0.00982	1.79%		0.14134			6.97%			0.13071	3.59%

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003.14	33	31	2.0685	0.29602	2.0658	0.30536	0.03759	14.78%	0.28836	0.09459	0.30348	13.94%	4.57%	14.67%	3.2084	0.11954	3.59%
003.99	10	7	3.1107	1.2542	2.5940	0.45255	0.12095	17.45%	1.2539	0.04080	1.2545	40.31%	1.31%	40.33%	30.752	0.05000	3.47%
004.00	21	20	1.0259	0.28045	0.99739	0.19152	0.02955	19.20%	0.27262	0.09304	0.28806	26.58%	9.07%	28.08%	3.0962	0.10190	4.00%
004.01	2	0															
004.03	4	3	0.79333	0.15543	0.78625	0.12770	0.04515	16.24%	0.15322	0.03697	0.15761	19.31%	4.66%	19.87%	4.2634	0.11750	4.15%
004.06	42	36	1.0822	0.22299	1.0811	0.26290	0.02939	24.32%	0.21851	0.06294	0.22739	20.19%	5.82%	21.01%	3.6129	0.07067	3.95%
004.07	52	47	0.76796	0.22946	0.76349	0.18075	0.01790	23.67%	0.22533	0.06130	0.23351	29.34%	7.98%	30.41%	3.8095	0.07974	4.17%
004.11	5	4	1.1513	0.44741	1.7640	1.4239	0.45027	80.72%	0.44653	0.03953	0.44828	38.79%	3.43%	38.94%	11.341	0.03600	3.67%
004.99	3	3	0.94833	0.27122	0.94833	0.27122	0.11072	28.60%	0.22741	0.20901	0.30887	23.98%	22.04%	32.57%	1.4778	0.20333	4.03%
005.00	164	97	1.7673	0.58625	1.7146	0.47309	0.03296	27.59%	0.58237	0.09532	0.59012	32.95%	5.39%	33.39%	6.1908	0.10601	3.69%
005.02	2	0															
005.03	2	0															
005.05	23	21	1.4187	0.16259	1.4133	0.16026	0.02416	11.34%	0.15957	0.04411	0.16555	11.25%	3.11%	11.67%	3.7529	0.04161	3.80%
005.11	5	4	1.7313	0.40819	1.8310	0.41799	0.13218	22.83%	0.40808	0.01369	0.40831	23.57%	0.79%	23.58%	29.819	0.06600	3.65%
005.99	13	11	1.4159	0.29052	1.3822	0.22028	0.04496	15.94%	0.28804	0.05364	0.29299	20.34%	3.79%	20.69%	5.4621	0.05417	3.81%
006.00	2	0															
006.01	1		0.92950														
006.03	2	0															
006.99	4	3	0.34000	0.10828	0.48000	0.29363	0.10381	61.17%	0.10821	0.00577	0.10836	31.83%	1.70%	31.87%	18.768	0.20500	4.47%
008.02	12	11	2.6809	1.4361	2.6653	1.2635	0.25791	47.41%	1.4324	0.14532	1.4398	53.43%	5.42%	53.70%	9.9074	0.17417	3.45%
008.05	1		3.6000														
008.08	21	19	2.6405	1.0477	2.6199	1.0121	0.16003	38.63%	1.0319	0.25635	1.0633	39.08%	9.71%	40.27%	4.1477	0.25600	3.46%
008.99	1		5.9250														
009.04	1		3.1750														
009.07	7	7	3.1864	0.88876	3.2731	0.38036	0.10166	11.62%	0.85682	0.33391	0.91958	26.89%	10.48%	28.86%	2.7540	0.36429	3.35%
009.09	17	16	4.2472	3.5442	3.0068	1.4515	0.25659	48.27%	3.5380	0.29654	3.5504	83.30%	6.98%	83.59%	11.973	0.31688	3.39%
009.99	1		2.8900														
010.03	6	3	10.320	0.15500	9.9716	0.88980	0.28138	8.92%	0.15036	0.05323	0.15950	1.46%	0.52%	1.55%	2.9966	0.12596	2.83%
010.11	4	4	10.051	1.0138	10.051	1.0138	0.35841	10.09%	1.0137	0.01969	1.0138	10.08%	0.20%	10.09%	51.503	0.02750	2.83%
010.99	11	10	9.8193	0.30940	9.8005	0.32101	0.06844	3.28%	0.29901	0.11243	0.31945	3.05%	1.14%	3.25%	2.8414	0.15053	2.84%
011.01	126	68	10.457	0.34805	10.447	0.37135	0.03073	3.55%	0.34377	0.07691	0.35227	3.29%	0.74%	3.37%	4.5805	0.09784	2.81%
011.02	5	3	10.412	0.31837	10.412	0.31837	0.12997	3.06%	0.21327	0.33429	0.39653	2.05%	3.21%	3.81%	1.1862	0.47000	2.81%
011.03	17	2	10.668	0.23688	10.517	0.31034	0.12669	2.95%	0.23664	0.01500	0.23712	2.22%	0.14%	2.22%	15.808	0.12000	2.81%
011.99	4	3	10.012	1.4006	10.226	1.2215	0.43186	11.94%	1.4004	0.03764	1.4009	13.99%	0.38%	13.99%	37.220	0.12250	2.82%
012.00	7	7	18.447	0.74325	18.447	0.84284	0.22526	4.57%	0.70772	0.32109	0.77715	3.84%	1.74%	4.21%	2.4203	0.34571	2.58%
012.01	4	4	17.254	1.8084	17.254	1.8084	0.63936	10.48%	1.8073	0.09007	1.8095	10.47%	0.52%	10.49%	20.090	0.11750	2.61%
012.03	3	3	16.590	4.7804	16.590	4.7804	1.9516	28.81%	4.7755	0.30523	4.7852	28.79%	1.84%	28.84%	15.677	0.37333	2.62%
012.04	5	5	17.617	0.73333	17.617	0.73333	0.23190	4.16%	0.71923	0.20241	0.74716	4.08%	1.15%	4.24%	3.6913	0.27400	2.60%

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012.11	3	3	13.373	7.3886	13.373	7.3886	3.0164	55.25%	7.3885	0.05323	7.3887	55.25%	0.40%	55.25%	138.81	0.06000	2.71%
013.00	16	14	4.6686	0.55456	4.7428	0.41322	0.07544	8.71%	0.54391	0.15297	0.56501	11.65%	3.28%	12.10%	3.6936	0.16467	3.16%
013.02	93	32	5.0238	0.36685	5.0594	0.31636	0.03894	6.25%	0.35294	0.14151	0.38025	7.03%	2.82%	7.57%	2.6871	0.14367	3.13%
013.10	10	9	4.8144	0.23493	4.7535	0.25618	0.05728	5.39%	0.19477	0.18577	0.26916	4.05%	3.86%	5.59%	1.4489	0.25000	3.16%
013.13	3	3	5.2250	0.62187	5.2250	0.62187	0.25388	11.90%	0.61488	0.13147	0.62878	11.77%	2.52%	12.03%	4.7828	0.18333	3.12%
015.41	3	2	38.733	10.984	50.144	21.235	8.6693	42.35%	10.926	1.5919	11.042	28.21%	4.11%	28.51%	6.9363	20.752	8.87%
015.43	4	4	33.979	4.7854	33.979	4.7854	1.6919	14.08%	4.7256	1.0667	4.8445	13.91%	3.14%	14.26%	4.5416	1.1125	9.41%
015.52	2	0															
015.53	1		38.350														
017.41	2	0															
017.42	2	0															
017.43	4	4	1.5813	1.4337	1.5813	1.4337	0.50689	90.67%	1.4325	0.08254	1.4349	90.59%	5.22%	90.74%	17.385	0.09750	14.93%
019.00	8	7	0.16127	0.15460	0.17282	0.15429	0.03857	89.28%	0.15373	0.02315	0.15546	95.32%	14.35%	96.40%	6.7167	0.02128	5.21%
019.08	3	3	0.01350	0.01232	0.01350	0.01232	0.00503	91.25%	0.01162	0.00579	0.01298	86.07%	42.87%	96.15%	2.2427	0.00700	7.65%
019.31	15	13	0.01218	0.00541	0.01289	0.00663	0.00125	51.45%	0.00536	0.00100	0.00546	44.05%	8.24%	44.81%	5.4377	0.00210	7.70%
019.32	4	4	0.02318	0.01055	0.02318	0.01055	0.00373	45.50%	0.01016	0.00401	0.01092	43.83%	17.30%	47.12%	2.7233	0.00425	7.05%
019.33	2	0															
019.41	30	27	0.01666	0.00782	0.01711	0.00859	0.00113	50.20%	0.00722	0.00422	0.00837	43.37%	25.33%	50.22%	1.9828	0.00512	7.38%
019.42	14	12	0.01888	0.01555	0.01361	0.00625	0.00123	45.93%	0.01538	0.00327	0.01572	81.43%	17.32%	83.26%	4.8068	0.00266	7.64%
019.43	10	7	0.00868	0.00669	0.01286	0.01157	0.00273	89.96%	0.00668	0.00061	0.00671	76.97%	7.08%	77.29%	10.912	0.00226	7.70%
019.44	2	0															
019.52	2	0															
019.53	4	3	0.01008	0.00008	0.00988	0.00042	0.00015	4.27%		0.00033			3.26%			0.00035	8.01%
019.99	1		0.01000														
021.31	1		0.00000														
021.41	1		0.00950														
021.42	1		0.27000														
021.43	2	0															
021.52	3	3	0.03433	0.03983	0.03433	0.03983	0.01626	116.01%	0.03938	0.00841	0.04027	114.71%	24.48%	117.29%	4.7904	0.00933	26.57%
021.53	2	0															
022.31	8	7	11.779	5.4742	12.887	6.6256	1.6564	51.41%	5.3686	1.5129	5.5777	45.58%	12.84%	47.35%	3.6868	1.3163	10.89%
022.32	2	0															
022.33	3	2	12.475	0.84146	13.040	1.1453	0.46756	8.78%	0.84068	0.05099	0.84223	6.74%	0.41%	6.75%	16.517	1.1667	10.87%
022.41	27	25	12.203	3.5359	11.829	2.1813	0.30249	18.44%	3.4271	1.2309	3.6415	28.08%	10.09%	29.84%	2.9583	1.2807	11.03%
022.42	14	13	12.792	1.2679	12.575	1.2439	0.23507	9.89%	1.2444	0.34376	1.2910	9.73%	2.69%	10.09%	3.7554	0.45143	10.93%
022.43	13	13	12.986	2.1544	13.034	2.3359	0.45810	17.92%	2.0653	0.86729	2.2400	15.90%	6.68%	17.25%	2.5828	0.88869	10.87%
022.44	2	0															
022.52	2	0															

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022.53	4	4	12.413	0.34004	12.413	0.34004	0.12022	2.74%		0.77701			6.26%			0.77500	10.95%
025.31	9	7	86.587	13.552	85.046	15.620	3.6816	18.37%	13.396	2.8965	13.706	15.47%	3.35%	15.83%	4.7319	4.6544	8.20%
025.32	3	3	66.323	38.275	66.323	38.275	15.626	57.71%	38.115	4.9410	38.434	57.47%	7.45%	57.95%	7.7786	5.5800	8.51%
025.33	3	3	83.975	10.158	83.975	10.158	4.1470	12.10%	10.092	1.6325	10.224	12.02%	1.94%	12.17%	6.2626	2.0367	8.21%
025.41	28	25	89.733	14.875	90.478	16.278	2.2151	17.99%	14.689	3.3122	15.058	16.37%	3.69%	16.78%	4.5462	3.9314	8.12%
025.42	13	11	106.65	6.1295	105.38	7.5212	1.4750	7.14%	5.7809	2.8818	6.4594	5.42%	2.70%	6.06%	2.2414	3.5446	7.94%
025.43	13	11	106.48	17.101	101.98	15.746	3.2141	15.44%	16.638	5.5871	17.551	15.63%	5.25%	16.48%	3.1414	6.1950	7.98%
025.52	2	0															
025.53	3	2	106.90	7.2125	107.93	5.4049	2.2066	5.01%	7.2111	0.20000	7.2139	6.75%	0.19%	6.75%	36.069	6.8000	7.91%
027.31	12	9	0.02175	0.01269	0.02241	0.01099	0.00234	49.02%	0.01268	0.00055	0.01270	58.32%	2.52%	58.37%	23.201	0.00083	7.08%
027.32	3	3	0.03287	0.00656	0.03287	0.00656	0.00268	19.95%	0.00644	0.00173	0.00667	19.60%	5.27%	20.30%	3.8516	0.00200	6.69%
027.33	2	0															
027.41	27	25	0.02796	0.00766	0.02738	0.00691	0.00096	25.25%	0.00730	0.00330	0.00801	26.11%	11.79%	28.64%	2.4298	0.00276	6.87%
027.42	13	11	0.03982	0.01023	0.03695	0.00559	0.00114	15.13%	0.01023	0.00051	0.01024	25.68%	1.27%	25.71%	20.171	0.00121	6.57%
027.43	11	9	0.02893	0.01001	0.03214	0.00383	0.00086	11.91%	0.00987	0.00238	0.01015	34.12%	8.24%	35.10%	4.2606	0.00227	6.71%
027.44	2	0															
027.52	1	0	0.03330														
027.53	4	3	0.03428	0.00026	83.526	166.98	59.037	199.92%		0.00093			2.71%			3.0009	2.05%
028.31	7	6	3.1475	1.0926	3.0371	1.1785	0.31496	38.80%	1.0854	0.17680	1.0997	34.48%	5.62%	34.94%	6.2200	0.29714	13.53%
028.32	3	3	2.7183	2.5284	2.7183	2.5284	1.0322	93.01%	2.4206	1.0330	2.6318	89.05%	38.00%	96.82%	2.5478	1.1833	13.76%
028.33	3	2	3.2700	0.43841	2.6317	1.1483	0.46878	43.63%	0.43812	0.02236	0.43869	13.40%	0.68%	13.42%	19.619	0.15667	13.83%
028.41	25	23	3.8563	1.5628	3.8499	1.6038	0.23149	41.66%	1.4958	0.64039	1.6271	38.79%	16.61%	42.19%	2.5408	0.76129	13.06%
028.42	13	11	4.2387	0.39991	4.1361	0.19352	0.03795	4.68%	0.39591	0.07983	0.40388	9.34%	1.88%	9.53%	5.0593	0.21738	12.92%
028.43	10	7	4.2746	0.44342	4.0824	0.60943	0.14364	14.93%	0.43618	0.11279	0.45053	10.20%	2.64%	10.54%	3.9944	0.20689	12.94%
028.44	1	0	2.5950														
028.52	2	0															
028.53	3	3	4.0783	0.02566	4.0783	0.02566	0.01047	0.63%		0.04564			1.12%			0.05000	12.95%
031.00	1	0	0.33425														
031.01	30	27	0.32260	0.05431	0.30979	0.03401	0.00447	10.98%	0.05405	0.00756	0.05457	16.75%	2.34%	16.92%	7.2166	0.00814	4.77%
031.02	2	0															
031.03	2	0															
031.04	1	0	0.36000														
031.06	1	0	0.18700														
031.41	32	30	0.31747	0.06225	0.31840	0.05142	0.00653	16.15%	0.06171	0.01165	0.06280	19.44%	3.67%	19.78%	5.3894	0.01444	4.75%
031.42	12	12	0.40397	0.01905	0.40550	0.01849	0.00378	4.56%	0.01837	0.00716	0.01971	4.55%	1.77%	4.88%	2.7545	0.00770	4.58%
031.43	12	11	0.38950	0.06158	0.39634	0.02981	0.00609	7.52%	0.06068	0.01478	0.06246	15.58%	3.79%	16.04%	4.2263	0.01625	4.60%
031.44	2	0															
031.52	1	0	0.36700														

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
031.53	4	4	0.38595	0.02362	0.38595	0.02362	0.00835	6.12%	0.02138	0.01418	0.02566	5.54%	3.67%	6.65%	1.8095	0.01510	4.62%
031.99	3	3	0.23333	0.00764	0.23333	0.00764	0.00312	3.27%		0.01732			7.42%			0.02000	4.98%
032.02	4	4	0.11388	0.01149	0.11388	0.01149	0.00406	10.09%	0.01142	0.00177	0.01156	10.03%	1.55%	10.15%	6.5391	0.00175	5.55%
032.31	14	12	0.13345	0.03242	0.13884	0.02777	0.00525	20.00%	0.03217	0.00560	0.03266	24.11%	4.19%	24.47%	5.8348	0.00536	5.38%
032.32	2	0															
032.33	1		0.13500														
032.41	29	27	0.13315	0.02914	0.13125	0.02444	0.00327	18.62%	0.02852	0.00845	0.02975	21.42%	6.35%	22.34%	3.5195	0.00893	5.43%
032.42	14	13	0.11844	0.01068	0.11958	0.01181	0.00223	9.88%	0.01053	0.00255	0.01084	8.89%	2.15%	9.15%	4.2471	0.00257	5.51%
032.43	13	11	0.11636	0.01747	0.12010	0.01575	0.00321	13.11%	0.01730	0.00345	0.01764	14.87%	2.97%	15.16%	5.1115	0.00600	5.50%
032.44	1		0.11550														
032.52	1		0.11590														
032.53	4	3	0.12648	0.00619	297.59	594.94	210.34	199.91%	0.00590	0.00265	0.00647	4.67%	2.10%	5.12%	2.4386	10.002	1.70%
032.99	1		0.13000														
033.00	7	6	0.05580	0.03239	0.05580	0.03673	0.01060	65.82%	0.03116	0.01250	0.03357	55.84%	22.40%	60.16%	2.6860	0.01353	6.18%
033.01	21	18	0.08253	0.03317	0.08972	0.02084	0.00329	23.22%	0.03306	0.00381	0.03328	40.06%	4.61%	40.33%	8.7398	0.00400	5.75%
033.03	2	0															
033.05	4	4	0.12164	0.06501	0.12164	0.06501	0.02298	53.45%	0.06180	0.02851	0.06806	50.81%	23.44%	55.96%	2.3875	0.02783	5.49%
033.99	4	4	0.14813	0.19720	0.14813	0.19720	0.06972	133.13%	0.19691	0.01509	0.19749	132.94%	10.19%	133.33%	13.090	0.01525	5.33%
034.01	1		1.6650														
034.04	4	4	1.4934	0.11810	1.4934	0.11810	0.04175	7.91%	0.11573	0.03330	0.12042	7.75%	2.23%	8.06%	3.6167	0.04175	15.06%
034.41	1		1.0285														
034.42	1		2.0350														
034.43	2	0															
034.52	4	3	1.3633	0.61839	1.5009	0.57499	0.20329	38.31%	0.61832	0.01291	0.61846	45.35%	0.95%	45.36%	47.906	0.04075	15.05%
034.53	4	3	1.6122	0.06553	1.5116	0.20808	0.07357	13.77%	0.04134	0.07191	0.08294	2.56%	4.46%	5.14%	1.1534	0.35625	15.03%
034.99	1		1.5450														
035.01	2	0															
035.05	5	4	0.04043	0.01593	0.03934	0.01401	0.00443	35.61%	0.01591	0.00117	0.01596	39.36%	2.90%	39.47%	13.607	0.00300	6.51%
035.31	12	11	0.03494	0.01004	0.03538	0.00899	0.00183	25.41%	0.00989	0.00249	0.01019	28.30%	7.11%	29.18%	4.1012	0.00278	6.61%
035.32	2	0															
035.33	1		0.04000														
035.41	32	29	0.04089	0.01114	0.04159	0.00995	0.00124	23.92%	0.01078	0.00400	0.01149	26.35%	9.77%	28.11%	2.8755	0.00513	6.45%
035.42	12	9	0.03800	0.00483	0.03969	0.00660	0.00141	16.62%	0.00479	0.00081	0.00486	12.62%	2.14%	12.80%	5.9905	0.00213	6.50%
035.43	10	8	0.03556	0.00570	0.03744	0.00448	0.00106	11.96%	0.00517	0.00338	0.00618	14.54%	9.51%	17.37%	1.8270	0.00233	6.56%
035.52	1		0.03570														
035.53	4	3	0.03868	0.00041	91.279	182.48	64.517	199.92%		0.00068			1.77%			2.5006	2.03%
036.00	1		0.67000														
036.04	5	4	0.84713	0.07021	0.86170	0.06899	0.02182	8.01%	0.06969	0.01209	0.07073	8.23%	1.43%	8.35%	5.8512	0.02660	4.09%

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
036.42	14	13	0.72381	0.06207	0.73151	0.05672	0.01112	7.75%	0.06158	0.01103	0.06256	8.51%	1.52%	8.64%	5.6699	0.01263	4.19%
036.43	9	8	0.75750	0.02903	0.74630	0.02718	0.00641	3.64%	0.02644	0.01696	0.03141	3.49%	2.24%	4.15%	1.8525	0.01689	4.18%
037.31	10	7	17.648	4.0377	16.774	1.0945	0.25797	6.52%	4.0151	0.60281	4.0601	22.75%	3.42%	23.01%	6.7354	0.79222	10.46%
037.32	2	0															
037.33	3	2	18.198	2.2875	19.253	2.4414	0.99672	12.68%	2.2759	0.32515	2.2990	12.51%	1.79%	12.63%	7.0705	1.9867	10.25%
037.41	27	23	19.224	3.8683	19.557	5.1129	0.70904	26.14%	3.7166	1.5171	4.0143	19.33%	7.89%	20.88%	2.6461	2.0769	10.23%
037.42	12	11	19.855	2.0228	19.441	0.82041	0.16747	4.22%	1.9500	0.76087	2.0932	9.82%	3.83%	10.54%	2.7510	0.88000	10.23%
037.43	13	11	19.848	3.5470	19.368	3.6886	0.75293	19.04%	3.4809	0.96425	3.6119	17.54%	4.86%	18.20%	3.7459	1.3758	10.24%
037.44	1		14.000														
037.52	2	0															
037.53	4	3	18.817	0.16073	19.450	1.2734	0.45023	6.55%	0.12247	0.14720	0.19149	0.65%	0.78%	1.02%	1.3009	1.1500	10.23%
038.42	2	0															
038.43	5	4	0.32250	0.37509	0.53300	0.57190	0.18085	107.30%	0.37496	0.01414	0.37522	116.27%	4.39%	116.35%	26.532	0.04200	17.59%
038.52	3	3	0.63033	0.01380	0.63033	0.01380	0.00563	2.19%	0.01034	0.01291	0.01654	1.64%	2.05%	2.62%	1.2814	0.01333	17.15%
038.53	2	0															
041.52	1		0.03000														
073.04	1		33.200														
101.01	1		66.450														
101.02	2	0															
102.01	1		25.220														
102.02	1		12.380														
103.01	2	0															
103.99	1		2.7216														
104.00	2	0															
104.03	3	3	0.69768	0.29894	0.69768	0.29894	0.12204	42.85%	0.29719	0.04568	0.30068	42.60%	6.55%	43.10%	6.5823	0.05150	14.99%
105.00	2	0															
105.01	1		0.09350														
106.01	1		0.00000														
106.02	6	6	2.9819	3.5612	2.1390	2.4808	0.71615	115.98%	3.5599	0.13634	3.5625	119.38%	4.57%	119.47%	26.130	0.15350	
108.01	1		0.00000														
109.02	3	2	10.900	4.1012	9.3967	3.8974	1.5911	41.48%	4.1006	0.10000	4.1018	37.62%	0.92%	37.63%	41.018	0.88667	11.42%
110.00	4	4	120.88	58.428	120.88	58.428	20.657	48.34%	58.312	5.1909	58.543	48.24%	4.29%	48.43%	11.278	6.5975	6.90%
110.99	1		212.51														
112.00	1		5.7450														
112.99	2	0															
113.99	1		0.35000														
115.00	1		0.20000														
120.00	17	14	5.3081	0.12001	5.3188	0.13195	0.02333	2.48%	0.11570	0.04508	0.12418	2.18%	0.85%	2.34%	2.7546	0.06294	3.11%

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
120.01	1		1.1080														
120.02	2	0															
120.05	3	1	4.5680		4.8408	0.46221	0.18870	9.55%		0.04384			0.96%			0.22367	3.15%
120.99	1		4.8650														
121.00	17	16	1.7943	0.05652	1.7944	0.06397	0.01131	3.56%	0.05553	0.01489	0.05749	3.09%	0.83%	3.20%	3.8598	0.01594	3.66%
121.01	2	0															
121.02	2	0															
121.05	3	3	1.7048	0.24665	1.7048	0.24665	0.10070	14.47%	0.24500	0.04031	0.24830	14.37%	2.36%	14.56%	6.1598	0.04033	3.69%
121.99	1		1.9550														
122.00	17	16	3.6258	0.10178	3.6254	0.07295	0.01251	2.01%	0.10023	0.02504	0.10331	2.76%	0.69%	2.85%	4.1251	0.03400	3.29%
122.01	2	0															
122.02	2	0															
122.05	3	3	3.5135	0.44718	3.5135	0.44718	0.18256	12.73%	0.43180	0.16443	0.46205	12.29%	4.68%	13.15%	2.8099	0.18500	3.31%
122.99	1		3.3350														
123.99	2	0															
124.00	15	14	0.99154	0.04685	0.98405	0.03898	0.00712	3.96%	0.04613	0.01158	0.04756	4.65%	1.17%	4.80%	4.1062	0.01287	4.01%
124.01	2	0															
124.02	1		1.1650														
124.05	1		0.51850														
124.99	1		1.4350														
125.00	16	14	13.438	0.54938	13.341	0.58106	0.10609	4.36%	0.54523	0.09532	0.55350	4.06%	0.71%	4.12%	5.8069	0.13640	2.71%
125.01	2	0															
125.02	2	0															
125.05	3	2	13.115	1.2399	12.693	1.1421	0.46627	9.00%	1.2394	0.05147	1.2404	9.45%	0.39%	9.46%	24.100	0.39400	2.73%
126.00	17	15	1.5505	0.03584	1.5432	0.03980	0.00683	2.58%	0.03465	0.01295	0.03699	2.23%	0.83%	2.39%	2.8570	0.01647	3.75%
126.01	2	0															
126.02	2	0															
126.05	3	3	1.5135	0.14464	1.5135	0.14464	0.05905	9.56%	0.14108	0.04509	0.14811	9.32%	2.98%	9.79%	3.2845	0.06367	3.76%
126.99	1		1.4650														
127.00	17	15	1.1339	0.04388	1.1385	0.05228	0.00924	4.59%	0.04275	0.01401	0.04498	3.77%	1.24%	3.97%	3.2111	0.01894	3.92%
127.01	2	0															
127.02	2	0															
127.05	3	3	1.1218	0.14495	1.1218	0.14495	0.05918	12.92%	0.14489	0.00570	0.14501	12.92%	0.51%	12.93%	25.436	0.00767	3.93%
127.99	1		1.0500														
128.00	17	15	2.4138	0.10722	2.4318	0.07872	0.01392	3.24%	0.10587	0.02399	0.10856	4.39%	0.99%	4.50%	4.5250	0.03244	3.50%
128.01	2	0															
128.02	2	0															
128.05	3	3	2.2535	0.50630	2.2535	0.50630	0.20670	22.47%	0.50549	0.04066	0.50712	22.43%	1.80%	22.50%	12.474	0.05233	3.54%

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128.99	1		2.0550														
129.00	17	17	10.088	0.43534	10.134	0.39123	0.06709	3.86%	0.42759	0.11569	0.44296	4.24%	1.15%	4.39%	3.8289	0.11612	2.82%
129.01	2	0															
129.02	2	0															
129.05	3	3	9.5637	0.95053	9.5637	0.95053	0.38805	9.94%	0.93034	0.27561	0.97030	9.73%	2.88%	10.15%	3.5205	0.26600	2.85%
129.99	1		9.4800														
130.00	17	16	0.94288	0.04739	0.93278	0.04188	0.00718	4.49%	0.04600	0.01611	0.04874	4.88%	1.71%	5.17%	3.0248	0.01782	4.04%
130.01	2	0															
130.02	2	0															
130.05	4	4	0.99913	0.24752	0.99913	0.24752	0.08751	24.77%	0.24688	0.02512	0.24816	24.71%	2.51%	24.84%	9.8800	0.03075	4.00%
130.99	1		0.91500														
131.00	15	15	1.4117	0.08809	1.4067	0.05922	0.01081	4.21%	0.08713	0.01832	0.08904	6.17%	1.30%	6.31%	4.8595	0.02087	3.80%
131.01	2	0															
131.02	1		1.3650														
131.05	2	0															
131.99	1		1.1750														
132.00	17	16	3.8296	0.11062	3.8482	0.11643	0.01997	3.03%	0.10338	0.05567	0.11742	2.70%	1.45%	3.07%	2.1093	0.05753	3.27%
132.01	2	0															
132.02	2	0															
132.05	3	3	3.6660	0.33260	3.6660	0.33260	0.13579	9.07%	0.33198	0.02882	0.33323	9.06%	0.79%	9.09%	11.564	0.03400	3.29%
132.99	1		3.4900														
133.00	17	16	5.4828	0.20690	5.4907	0.21617	0.03821	3.94%	0.20200	0.06330	0.21169	3.68%	1.15%	3.86%	3.3444	0.07069	3.10%
133.05	3	2	5.5588	0.47906	5.3478	0.49821	0.20339	9.32%	0.47902	0.00918	0.47911	8.62%	0.17%	8.62%	52.197	0.11833	3.11%
133.99	2	0															
134.00	17	16	3.1423	0.13863	3.1328	0.13587	0.02330	4.34%	0.13617	0.03677	0.14104	4.33%	1.17%	4.49%	3.8358	0.04194	3.37%
134.01	2	0															
134.02	2	0															
134.05	3	3	3.0515	0.03482	3.0515	0.03482	0.01421	1.14%		0.10158			3.33%			0.12833	3.38%
134.99	1		3.0200														
135.00	17	17	1.9981	0.12094	1.9899	0.08742	0.01499	4.39%	0.12039	0.01620	0.12148	6.03%	0.81%	6.08%	7.4987	0.01747	3.61%
135.01	1		1.9280														
135.02	2	0															
135.05	3	3	1.8482	0.20130	1.8482	0.20130	0.08218	10.89%	0.19863	0.04621	0.20394	10.75%	2.50%	11.03%	4.4132	0.05967	3.65%
135.99	1		1.7600														
136.00	3	3	0.34417	0.02826	0.34417	0.02826	0.01154	8.21%	0.02788	0.00654	0.02864	8.10%	1.90%	8.32%	4.3754	0.00900	4.70%
136.01	6	6	0.30314	0.01628	0.30356	0.01759	0.00508	5.79%	0.01606	0.00371	0.01649	5.30%	1.22%	5.44%	4.4425	0.00408	4.79%
136.02	2	0															
136.03	2	0															

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
136.99	1		0.32500														
137.00	12	11	3.0430	0.14354	3.0178	0.16935	0.03457	5.61%	0.14124	0.03617	0.14580	4.64%	1.19%	4.79%	4.0310	0.03875	3.39%
137.01	1		3.2360														
137.02	2	0															
137.05	3	3	2.6233	0.59025	2.6233	0.59025	0.24097	22.50%	0.58872	0.06007	0.59178	22.44%	2.29%	22.56%	9.8515	0.07800	3.46%
137.99	1		2.9300														
138.00	17	16	2.6617	0.11772	2.6937	0.08733	0.01498	3.24%	0.11489	0.03628	0.12048	4.32%	1.36%	4.53%	3.3211	0.03629	3.45%
138.01	1		2.9660														
138.02	2	0															
138.05	3	3	2.5640	0.54372	2.5640	0.54372	0.22197	21.21%	0.54232	0.05507	0.54511	21.15%	2.15%	21.26%	9.8981	0.06800	3.47%
138.99	1		2.7600														
139.00	2	0															
139.02	1		0.00000														
139.05	1		0.00000														
160.99	4	3	0.39833	0.36098	0.48625	0.34320	0.12134	70.58%	0.36088	0.01225	0.36109	90.60%	3.07%	90.65%	29.483	0.04750	4.46%
161.99	3	2	0.00000	0.00000	0.09167	0.15877	0.06482	173.21%	0.00000	0.00000	0.00000					0.01667	5.73%
162.99	4	3	0.17867	0.05992	5.1265	9.8958	3.4987	193.03%	0.05985	0.00416	0.05999	33.50%	2.33%	33.58%	14.410	0.04300	3.13%
163.99	2	0															
164.99	3	2	0.00000	0.00000	0.11567	0.20034	0.08179	173.21%	0.00000	0.00000	0.00000					0.00467	5.53%
165.99	3	2	0.00000	0.00000	0.15083	0.26125	0.10666	173.21%	0.00000	0.00000	0.00000					0.00233	5.32%
166.99	1		0.00000														
167.99	1		0.00000														
400.01	5	4	0.63525	0.00806	0.63924	0.01133	0.00358	1.77%	0.00751	0.00412	0.00857	1.18%	0.65%	1.35%	2.0781	0.00912	
516.00	2	0															
516.52	2	0															
516.53	3	2	0.01500	0.02121	0.01567	0.01504	0.00614	96.03%	0.02121	0.00000	0.02121	141.42%	0.00%	141.42%		0.00067	29.90%
518.34	1		0.00000														
518.41	1		0.01400														
518.52	2	0															
518.53	3	2	0.01000	0.01414	0.01050	0.01004	0.00410	95.59%	0.01414	0.00000	0.01414	141.42%	0.00%	141.42%		0.00033	31.76%
520.41	2	0															
520.43	2	0															
520.52	1		1.4150														
520.53	1		0.44050														
520.99	1		1.9200														
526.31	1		0.03565														
526.34	1		0.03500														
526.41	1		0.00000														

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
526.52	3	3	0.05383	0.02270	0.05383	0.02270	0.00927	42.16%	0.02179	0.00895	0.02356	40.49%	16.63%	43.77%	2.6316	0.00967	24.83%
526.53	3	3	0.03017	0.01351	0.03017	0.01351	0.00552	44.79%	0.01257	0.00702	0.01440	41.66%	23.28%	47.72%	2.0496	0.00800	27.09%
529.99	4	3	0.01200	0.01992	0.24650	0.46928	0.16592	190.38%	0.01794	0.01225	0.02173	149.54%	102.06%	181.05%	1.7739	0.08250	55.85%
539.31	1		1.3600														
539.41	1		0.46175														
539.43	1		0.00000														
539.52	2	0															
539.53	3	3	0.64383	0.12960	0.64383	0.12960	0.05291	20.13%	0.12550	0.04573	0.13357	19.49%	7.10%	20.75%	2.9206	0.05233	17.09%
600.01	8	7	7.5300	1.0199												0.49000	
600.03	1		10.500														
600.07	1		3.8600														
600.08	3	3	10.728	0.48390												0.77000	
600.14	1		4.0000														
600.20	2	0															
600.21	1		5.6815														
600.24	2	0															
600.98	1		13.735														
601.21	1		5.0425														
601.23	3	2	5.2315	5.4850												2.9933	
602.21	1		0.63900														
602.23	2	0															
603.23	1		0.00000														
604.23	1		2.3430														
610.01	1		250.00														
610.05	1		0.00000														
610.23	3	3	346.23	579.46												45.133	
610.25	1		20.000														
620.01	2	0															
620.02	1		0.60000														
620.07	2	0															
620.21	1		1,082.0														
620.23	2	0															
620.98	1		5,700.0														
621.23	2	0															
622.23	2	0															
623.23	1		0.00000														
630.01	1		0.00000														
630.03	2	0															

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
630.23	4	0														0.00000	
640.01	2	0															
640.04	1		14.815														
640.23	1		7.1000														
640.25	1		20.000														
640.98	1		32.500														
650.01	1		7.5000														
650.05	1		11.925														
650.21	1		0.00000														
650.24	4	3	0.00000	0.00000												0.77500	