

AAFCO Check Sample Program

All Methods Report

Sort by Method

Proficiency For Individual Methods

Sample # 201429

Equine Feed



AAFCO

Check Sample Program

Issue Date : 10/31/2014

Method Code	Total # Labs Submitting	# Labs Included in Calculations	Mean	SD	Assigned Value - Robust Mean	AAFCO CS fip - Robust sd	Uncertainty (U) - Robust	% RSD - Robust	Between Labs sL	Within Labs sr	Reproducibility sR	Between Labs %RSD	Within Labs %/srd	Reproducibility %RSD	sR/sr	Average Range (R-bar)	Horwitz %RSD
000.02	1		0.70000														
000.99	1		0.00000														
001.00	7	7	8.7676	0.50228	8.7474	0.52817	0.14116	6.04%	0.48461	0.18674	0.51934	5.53%	2.13%	5.92%	2.7811	0.18076	2.89%
001.03	12	10	8.9449	0.10236	8.9611	0.11046	0.02255	1.23%	0.10175	0.01579	0.10296	1.14%	0.18%	1.15%	6.5225	0.02560	2.88%
001.05	1		8.8850														
001.07	40	35	8.9550	0.26373	8.9687	0.27247	0.03085	3.04%	0.25533	0.09339	0.27187	2.85%	1.04%	3.04%	2.9113	0.11975	2.88%
001.08	3	3	8.9567	0.62172	8.9567	0.62172	0.25382	6.94%	0.61606	0.11832	0.62732	6.88%	1.32%	7.00%	5.3018	0.14667	2.88%
001.99	18	15	9.0220	0.40796	8.9937	0.48764	0.08363	5.42%	0.40455	0.07448	0.41135	4.48%	0.83%	4.56%	5.5232	0.09882	2.87%
002.00	5	5	27.817	0.27075	27.817	0.27075	0.08562	0.97%	0.12261	0.34139	0.36274	0.44%	1.23%	1.30%	1.0625	0.35000	2.42%
002.01	14	12	27.737	0.50421	27.586	0.30519	0.05985	1.11%	0.49917	0.10051	0.50919	1.80%	0.36%	1.84%	5.0663	0.13354	2.43%
002.02	3	3	27.865	0.02674	27.865	0.02674	0.01092	0.10%		0.11216			0.40%			0.12970	2.42%
002.04	6	6	27.013	1.0569	27.302	0.64226	0.18541	2.35%	1.0529	0.13093	1.0610	3.90%	0.48%	3.93%	8.1035	0.17167	2.43%
002.05	39	36	27.786	0.31556	27.798	0.29591	0.03394	1.06%	0.30876	0.09215	0.32222	1.11%	0.33%	1.16%	3.4966	0.10434	2.42%
002.06	134	124	28.191	0.27220	28.184	0.27497	0.01699	0.98%	0.25194	0.14571	0.29104	0.89%	0.52%	1.03%	1.9974	0.18029	2.42%
002.08	4	4	27.203	0.73056	27.203	0.73056	0.25829	2.69%	0.72350	0.14332	0.73756	2.66%	0.53%	2.71%	5.1461	0.17935	2.43%
002.10	1		27.835														
002.11	5	5	28.743	1.0993	28.743	1.0993	0.34762	3.82%	1.0954	0.12950	1.1031	3.81%	0.45%	3.84%	8.5180	0.14200	2.41%
002.99	2	0															
003.00	17	16	3.8319	0.44525	3.7852	0.30720	0.05268	8.12%	0.43396	0.14087	0.45625	11.33%	3.68%	11.91%	3.2389	0.14606	3.27%
003.01	2	0															
003.06	20	19	3.6850	0.18140	3.6539	0.14405	0.02337	3.94%	0.17284	0.07788	0.18958	4.69%	2.11%	5.14%	2.4342	0.07995	3.29%
003.09	23	21	3.8316	0.25382	3.8279	0.21463	0.03236	5.61%	0.24631	0.08664	0.26111	6.43%	2.26%	6.81%	3.0138	0.10168	3.27%
003.10	26	23	3.5070	0.17936	3.4813	0.18862	0.02667	5.42%	0.17549	0.05244	0.18316	5.00%	1.50%	5.22%	3.4928	0.06388	3.32%
003.11	4	3	3.5617	0.11772	4.0125	0.90678	0.32059	22.60%	0.11482	0.03674	0.12055	3.22%	1.03%	3.38%	3.2811	0.07000	3.25%
003.12	8	8	3.6034	0.09885	3.6034	0.11210	0.02802	3.11%	0.09711	0.02613	0.10057	2.69%	0.73%	2.79%	3.8481	0.02715	3.30%
003.13	11	8	3.5853	0.13216	3.5974	0.15322	0.03426	4.26%	0.12462	0.06222	0.13929	3.48%	1.74%	3.88%	2.2385	0.08740	3.30%
003.14	42	38	3.6663	0.30186	3.6097	0.20799	0.02297	5.76%	0.29459	0.09314	0.30896	8.03%	2.54%	8.43%	3.3171	0.11061	3.30%

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003.99	4	3	3.7267	0.20052	3.8200	0.24829	0.08779	6.50%	0.20023	0.01528	0.20081	5.37%	0.41%	5.39%	13.146	0.11500	3.27%
004.00	25	23	5.9878	0.42482	5.9426	0.34828	0.05027	5.86%	0.41594	0.12222	0.43352	6.95%	2.04%	7.24%	3.5472	0.14395	3.06%
004.01	1		6.4200														
004.03	5	5	6.6860	1.1928	6.6860	1.1928	0.37719	17.84%	1.1692	0.33380	1.2159	17.49%	4.99%	18.19%	3.6427	0.28400	3.00%
004.06	35	33	5.8523	0.42452	5.8767	0.44226	0.05286	7.53%	0.41239	0.14249	0.43632	7.05%	2.43%	7.46%	3.0621	0.16473	3.06%
004.07	63	54	6.0169	0.61286	6.0586	0.72498	0.06618	11.97%	0.60261	0.15785	0.62295	10.02%	2.62%	10.35%	3.9463	0.22190	3.05%
004.11	4	3	6.9567	2.2203	6.5050	2.0255	0.71611	31.14%	2.2174	0.16073	2.2232	31.87%	2.31%	31.96%	13.832	0.56000	3.02%
004.99	2	0															
005.00	105	98	13.880	0.43937	13.877	0.42178	0.02939	3.04%	0.43585	0.07847	0.44286	3.14%	0.57%	3.19%	5.6437	0.09347	2.69%
005.01	1		14.075														
005.02	1		14.465														
005.03	1		14.300														
005.05	29	25	14.317	0.25890	14.300	0.31973	0.04273	2.24%	0.25489	0.06419	0.26285	1.78%	0.45%	1.84%	4.0951	0.08491	2.68%
005.11	4	4	12.881	1.5952	12.881	1.5952	0.56398	12.38%	1.5938	0.09253	1.5965	12.37%	0.72%	12.39%	17.253	0.09750	2.72%
005.99	10	9	14.062	0.47990	14.062	0.54421	0.12827	3.87%	0.47366	0.10914	0.48607	3.37%	0.78%	3.46%	4.4537	0.12667	2.69%
006.00	3	3	5.4867	1.9269	5.4867	1.9269	0.78664	35.12%	1.9246	0.13354	1.9292	35.08%	2.43%	35.16%	14.446	0.18000	3.10%
006.01	2	0															
006.99	5	5	6.4810	0.93769	6.4810	0.93769	0.29652	14.47%	0.90831	0.32932	0.96617	14.01%	5.08%	14.91%	2.9338	0.40200	3.02%
008.02	15	12	8.3798	1.3286	8.5331	1.4110	0.26666	16.54%	1.3256	0.12554	1.3316	15.82%	1.50%	15.89%	10.606	0.16961	2.90%
008.05	1		8.5500														
008.08	42	41	8.1164	0.93863	8.0723	0.92774	0.10122	11.49%	0.92083	0.25735	0.95611	11.35%	3.17%	11.78%	3.7153	0.29124	2.92%
008.99	1		7.8500														
009.04	1		15.510														
009.07	10	10	19.639	1.9664	19.281	1.3332	0.29811	6.91%	1.9601	0.22303	1.9727	9.98%	1.14%	10.04%	8.8452	0.24420	2.56%
009.09	40	36	18.203	1.2744	18.241	1.3530	0.15319	7.42%	1.2536	0.32421	1.2948	6.89%	1.78%	7.11%	3.9938	0.35095	2.58%
009.99	2	0															
010.03	3	3	8.5450	0.23516	8.5450	0.23516	0.09600	2.75%	0.09700	0.30296	0.31811	1.14%	3.55%	3.72%	1.0500	0.35000	2.90%
010.11	4	4	8.6850	0.81660	8.6850	0.81660	0.28871	9.40%	0.81345	0.10124	0.81973	9.37%	1.17%	9.44%	8.0967	0.11500	2.89%
010.99	9	9	9.4622	0.70462	9.4159	0.58562	0.13803	6.22%	0.70292	0.06928	0.70632	7.43%	0.73%	7.46%	10.195	0.07333	2.85%
011.01	74	70	10.485	0.49089	10.476	0.43031	0.03561	4.11%	0.48506	0.10667	0.49665	4.63%	1.02%	4.74%	4.6560	0.11874	2.81%
011.02	2	0															
011.03	2	0															
011.99	3	3	10.113	0.54093	10.113	0.54093	0.22083	5.35%	0.53269	0.13304	0.54905	5.27%	1.32%	5.43%	4.1269	0.14000	2.82%
012.00	13	12	9.4878	0.76228	9.5582	0.51093	0.10020	5.35%	0.75559	0.14252	0.76891	7.96%	1.50%	8.10%	5.3950	0.14231	2.85%
012.01	6	5	8.5656	0.19065	8.4827	0.04432	0.01279	0.52%	0.16854	0.12606	0.21046	1.97%	1.47%	2.46%	1.6696	0.17333	2.90%
012.03	5	5	8.8010	0.79113	8.8010	0.79113	0.25018	8.99%	0.78571	0.13081	0.79652	8.93%	1.49%	9.05%	6.0894	0.16200	2.88%
012.04	5	5	8.6940	0.90584	8.6940	0.90584	0.28645	10.42%	0.89833	0.16462	0.91329	10.33%	1.89%	10.50%	5.5478	0.18800	2.89%
012.11	4	4	8.5963	2.8364	8.5963	2.8364	1.0028	33.00%	2.8338	0.16937	2.8389	32.97%	1.97%	33.02%	16.761	0.19750	2.89%

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013.00	20	20	4.6525	0.50969	4.6616	0.55852	0.08831	11.98%	0.50315	0.11507	0.51614	10.81%	2.47%	11.09%	4.4857	0.12300	3.17%
013.02	22	21	5.0755	0.34704	5.0855	0.35047	0.05408	6.89%	0.33822	0.10997	0.35565	6.66%	2.17%	7.01%	3.2341	0.12333	3.13%
013.08	1		3.3400														
013.10	10	10	4.4012	0.68547	4.4873	0.54543	0.12196	12.16%	0.66815	0.21655	0.70236	15.18%	4.92%	15.96%	3.2434	0.20070	3.19%
013.12	1		4.0300														
013.13	4	4	5.2788	1.4689	5.2788	1.4689	0.51932	27.83%	1.4665	0.11901	1.4713	27.78%	2.25%	27.87%	12.363	0.12250	3.11%
014.99	1		26.760														
015.41	7	7	363.42	39.144	364.42	42.180	11.273	11.57%	38.936	5.6971	39.351	10.71%	1.57%	10.83%	6.9071	7.4502	6.58%
015.42	1		390.40														
015.43	7	7	350.47	53.543	354.32	53.216	14.223	15.02%	53.463	4.1501	53.623	15.25%	1.18%	15.30%	12.921	4.1463	6.61%
015.53	2	0															
017.41	3	3	15.145	1.1558	15.145	1.1558	0.47186	7.63%	1.0812	0.57794	1.2259	7.14%	3.82%	8.09%	2.1212	0.53667	10.63%
017.42	4	4	15.101	2.9529	15.101	2.9529	1.0440	19.55%	2.9500	0.18442	2.9558	19.53%	1.22%	19.57%	16.027	0.22750	10.63%
017.43	7	6	9.6883	6.4388	13.465	2.0332	0.54339	15.10%	6.4379	0.15138	6.4397	66.45%	1.56%	66.47%	42.539	0.26286	10.82%
017.52	1		13.700														
017.53	1		13.000														
019.00	21	17	3.0400	0.07251	3.0392	0.08186	0.01294	2.69%	0.07111	0.02008	0.07389	2.34%	0.66%	2.43%	3.6798	0.02632	3.38%
019.02	1		2.5350														
019.03	1		3.1852														
019.08	11	11	3.0770	0.08400	3.0800	0.06889	0.01469	2.24%	0.06781	0.07012	0.09754	2.20%	2.28%	3.17%	1.3911	0.06887	3.38%
019.09	1		3.1050														
019.31	30	27	3.0419	0.13435	3.0521	0.11236	0.01475	3.68%	0.13049	0.04521	0.13810	4.29%	1.49%	4.54%	3.0548	0.05243	3.38%
019.32	5	5	3.3012	0.23866	3.3012	0.23866	0.07547	7.23%	0.23693	0.04062	0.24039	7.18%	1.23%	7.28%	5.9179	0.04120	3.34%
019.33	2	0															
019.41	36	33	3.0859	0.12387	3.0996	0.11995	0.01414	3.87%	0.12066	0.03960	0.12699	3.91%	1.28%	4.12%	3.2066	0.05162	3.37%
019.42	18	16	3.1096	0.15677	3.0930	0.16389	0.02811	5.30%	0.14873	0.07006	0.16441	4.78%	2.25%	5.29%	2.3468	0.08201	3.37%
019.43	24	21	3.0917	0.17916	3.0750	0.15423	0.02274	5.02%	0.17693	0.03980	0.18135	5.72%	1.29%	5.87%	4.5570	0.05387	3.38%
019.44	2	0															
019.52	2	0															
019.53	2	0															
019.99	6	4	2.9521	0.12848	2.7744	0.33207	0.09586	11.97%	0.12752	0.02220	0.12943	4.32%	0.75%	4.38%	5.8316	0.04150	3.43%
021.00	1		2.8800														
021.31	3	3	4.6133	0.67715	4.6133	0.67715	0.27645	14.68%	0.67221	0.11547	0.68206	14.57%	2.50%	14.78%	5.9068	0.13333	12.71%
021.34	1		4.9200														
021.41	6	5	4.3711	0.36076	4.2275	0.54126	0.15625	12.80%	0.35816	0.06116	0.36335	8.19%	1.40%	8.31%	5.9413	0.07515	12.88%
021.42	1		4.6000														
021.43	11	10	4.6787	0.67734	4.7591	0.32086	0.07175	6.74%	0.66540	0.17905	0.68907	14.22%	3.83%	14.73%	3.8485	0.20435	12.65%
021.52	3	3	4.6258	0.15404	4.6258	0.15404	0.06288	3.33%	0.13581	0.10280	0.17033	2.94%	2.22%	3.68%	1.6568	0.11767	12.70%

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021.53	4	4	4.8755	0.39896	4.8755	0.39896	0.14105	8.18%	0.36983	0.21165	0.42611	7.59%	4.34%	8.74%	2.0133	0.24350	12.60%
022.31	21	20	198.24	8.8068	199.40	9.1037	1.4047	4.57%	8.2562	4.3347	9.3249	4.16%	2.19%	4.70%	2.1512	3.6867	7.21%
022.32	5	5	214.09	14.473	214.09	14.473	4.5769	6.76%	13.890	5.7544	15.035	6.49%	2.69%	7.02%	2.6127	6.7000	7.13%
022.33	2	0															
022.35	1		212.25														
022.41	28	25	197.67	12.491	198.09	11.127	1.5430	5.62%	12.246	3.4815	12.732	6.20%	1.76%	6.44%	3.6569	3.7965	7.22%
022.42	17	15	207.26	17.209	207.03	13.194	2.2628	6.37%	16.514	6.8462	17.877	7.97%	3.30%	8.63%	2.6112	8.5682	7.17%
022.43	22	20	200.51	16.087	200.88	16.558	2.5549	8.24%	15.950	2.9660	16.223	7.95%	1.48%	8.09%	5.4698	3.7871	7.20%
022.44	1		203.00														
022.52	2	0															
022.53	4	3	187.33	25.896	197.03	28.696	10.145	14.56%	25.815	2.8868	25.976	13.78%	1.54%	13.87%	8.9983	8.6475	7.22%
022.99	2	0															
023.01	1		0.00440														
023.99	1		0.01260														
025.31	18	15	647.84	74.538	651.00	59.361	10.180	9.12%	74.469	4.5336	74.607	11.50%	0.70%	11.52%	16.456	5.7824	6.03%
025.32	3	3	619.01	41.472	619.01	41.472	16.931	6.70%	28.489	42.622	51.267	4.60%	6.89%	8.28%	1.2028	47.970	6.08%
025.33	2	0															
025.41	28	26	637.96	50.332	634.78	41.335	5.6249	6.51%	49.807	10.249	50.851	7.81%	1.61%	7.97%	4.9616	11.275	6.06%
025.42	14	12	532.55	207.84	594.79	73.305	14.376	12.32%	207.34	20.335	208.33	38.93%	3.82%	39.12%	10.245	27.492	6.12%
025.43	21	20	620.37	86.161	617.67	91.826	14.169	14.87%	85.319	16.994	86.995	13.75%	2.74%	14.02%	5.1193	17.340	6.08%
025.52	2	0															
025.53	2	0															
025.99	2	0															
027.31	19	19	0.35312	0.00919	0.35348	0.00900	0.00146	2.55%	0.00667	0.00894	0.01116	1.89%	2.53%	3.16%	1.2473	0.00997	4.68%
027.32	4	4	0.36385	0.01123	0.36385	0.01123	0.00397	3.09%	0.01077	0.00449	0.01167	2.96%	1.23%	3.21%	2.6011	0.00455	4.66%
027.33	2	0															
027.41	30	28	0.36028	0.01049	0.36077	0.01019	0.00132	2.82%	0.00958	0.00606	0.01133	2.66%	1.68%	3.15%	1.8708	0.00553	4.66%
027.42	16	15	0.35571	0.02335	0.35740	0.01745	0.00308	4.88%	0.02142	0.01314	0.02513	6.02%	3.69%	7.07%	1.9127	0.01219	4.67%
027.43	19	18	0.35672	0.02034	0.35711	0.02196	0.00356	6.15%	0.02006	0.00473	0.02061	5.62%	1.32%	5.78%	4.3608	0.00589	4.67%
027.44	2	0															
027.52	1		0.31575														
027.53	2	0															
027.99	3	2	0.35500	0.02121	0.30000	0.09644	0.03937	32.15%	0.02121	0.00000	0.02121	5.98%	0.00%	5.98%		0.00667	4.79%
028.31	18	16	279.78	10.614	281.10	9.6302	1.6050	3.43%	10.195	4.1758	11.017	3.64%	1.49%	3.94%	2.6383	5.0022	6.85%
028.32	4	3	292.05	11.064	249.91	84.758	29.966	33.91%	9.5448	7.9125	12.398	3.27%	2.71%	4.25%	1.5669	7.1750	6.97%
028.33	2	0															
028.41	27	24	277.53	11.588	277.32	11.187	1.5514	4.03%	10.594	6.6405	12.504	3.82%	2.39%	4.51%	1.8829	7.2870	6.86%
028.42	17	15	283.36	19.333	278.60	25.554	4.3824	9.17%	17.860	10.468	20.701	6.30%	3.69%	7.31%	1.9777	11.489	6.86%

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
028.43	20	20	281.80	22.798	282.61	21.266	3.3624	7.52%	21.774	9.5536	23.777	7.73%	3.39%	8.44%	2.4888	9.8455	6.84%
028.44	3	3	271.83	12.251	271.83	12.251	5.0014	4.51%	11.091	7.3598	13.310	4.08%	2.71%	4.90%	1.8085	7.6667	6.88%
028.52	1		275.00														
028.53	3	3	293.37	12.795	293.37	12.795	5.2237	4.36%	9.2064	12.567	15.578	3.14%	4.28%	5.31%	1.2396	13.250	6.80%
028.99	2	0															
031.00	2	0															
031.01	55	49	1.4166	0.05705	1.4183	0.04189	0.00407	2.95%	0.05485	0.02220	0.05917	3.87%	1.57%	4.18%	2.6655	0.02653	3.79%
031.02	3	3	1.4375	0.01522	1.4375	0.01522	0.00621	1.06%	0.01379	0.00913	0.01654	0.96%	0.64%	1.15%	1.8113	0.01003	3.79%
031.03	5	5	1.4206	0.03341	1.4206	0.03341	0.01057	2.35%	0.03111	0.01722	0.03556	2.19%	1.21%	2.50%	2.0652	0.01982	3.79%
031.06	3	3	1.3360	0.03672	1.3360	0.03672	0.01499	2.75%		0.07539			5.64%			0.07667	3.83%
031.41	34	29	1.4387	0.06997	1.4401	0.06082	0.00760	4.22%	0.06914	0.01517	0.07078	4.81%	1.05%	4.92%	4.6657	0.01923	3.79%
031.42	19	17	1.4071	0.06893	1.3998	0.08351	0.01392	5.97%	0.05831	0.05199	0.07812	4.14%	3.70%	5.55%	1.5025	0.05260	3.80%
031.43	23	22	1.4229	0.06490	1.4291	0.07520	0.01109	5.26%	0.06078	0.03216	0.06877	4.27%	2.26%	4.83%	2.1385	0.03871	3.79%
031.44	2	0															
031.52	1		1.2689														
031.53	3	3	1.4761	0.09316	1.4761	0.09316	0.03803	6.31%	0.09303	0.00692	0.09329	6.30%	0.47%	6.32%	13.472	0.00790	3.77%
031.99	7	6	1.3100	0.05079	1.2993	0.06163	0.01647	4.74%	0.04344	0.03722	0.05721	3.32%	2.84%	4.37%	1.5370	0.06543	3.85%
032.02	3	3	1.3783	0.18148	1.3783	0.18148	0.07409	13.17%	0.18136	0.00935	0.18160	13.16%	0.68%	13.18%	19.432	0.01267	3.81%
032.04	1		1.1700														
032.08	1		1.1660														
032.31	21	18	1.2246	0.12706	1.2440	0.08193	0.01295	6.59%	0.12611	0.02204	0.12802	10.30%	1.80%	10.45%	5.8093	0.03275	3.87%
032.32	3	3	1.2825	0.07172	1.2825	0.07172	0.02928	5.59%	0.07128	0.01126	0.07216	5.56%	0.88%	5.63%	6.4074	0.01300	3.85%
032.41	30	27	1.2813	0.06614	1.2910	0.06749	0.00871	5.23%	0.06478	0.01891	0.06748	5.06%	1.48%	5.27%	3.5678	0.02394	3.85%
032.42	18	17	1.2879	0.07662	1.2778	0.08704	0.01451	6.81%	0.07177	0.03796	0.08119	5.57%	2.95%	6.30%	2.1390	0.03861	3.85%
032.43	20	19	1.2817	0.03308	1.2788	0.03458	0.00547	2.70%	0.03071	0.01742	0.03530	2.40%	1.36%	2.75%	2.0263	0.01817	3.85%
032.44	2	0															
032.52	1		1.1367														
032.53	3	3	1.3351	0.04307	1.3351	0.04307	0.01758	3.23%	0.04263	0.00868	0.04351	3.19%	0.65%	3.26%	5.0133	0.00907	3.83%
032.99	3	3	1.1767	0.05923	1.1767	0.05923	0.02418	5.03%	0.05824	0.01528	0.06021	4.95%	1.30%	5.12%	3.9415	0.02000	3.90%
033.00	30	27	2.4442	0.17544	2.4420	0.09830	0.01291	4.03%	0.17496	0.01835	0.17592	7.16%	0.75%	7.20%	9.5867	0.02258	3.50%
033.01	39	36	2.5215	0.08236	2.5221	0.03223	0.00365	1.28%	0.08063	0.02379	0.08406	3.20%	0.94%	3.33%	3.5341	0.02415	3.48%
033.03	7	7	2.2650	0.10563	2.2650	0.11979	0.03201	5.29%	0.10034	0.04668	0.11067	4.43%	2.06%	4.89%	2.3710	0.04714	3.54%
033.05	5	4	2.5225	0.18002	2.4640	0.20351	0.06436	8.26%	0.17880	0.02958	0.18123	7.09%	1.17%	7.18%	6.1268	0.08400	3.49%
033.99	8	7	2.5678	0.15536	2.5148	0.15439	0.03860	6.14%	0.14827	0.06561	0.16214	5.77%	2.56%	6.31%	2.4713	0.08238	3.48%
034.01	3	3	2.2577	0.30842	2.2577	0.30842	0.12591	13.66%	0.30774	0.02888	0.30909	13.63%	1.28%	13.69%	10.703	0.03400	14.15%
034.04	7	6	2.4083	0.06080	2.3864	0.04236	0.01132	1.77%		0.10504			4.36%			0.14571	14.03%
034.41	1		1.4700														
034.42	1		2.0650														

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
034.43	5	3	2.2978	0.31824	1.8382	1.0519	0.33264	57.23%	0.31818	0.00818	0.31829	13.85%	0.36%	13.85%	38.934	0.07064	14.60%
034.52	3	3	2.8912	0.36839	2.8912	0.36839	0.15040	12.74%	0.28386	0.33207	0.43686	9.82%	11.49%	15.11%	1.3156	0.32167	13.63%
034.53	6	6	2.5569	0.45741	2.6002	0.42144	0.12166	16.21%	0.42221	0.24884	0.49009	16.51%	9.73%	19.17%	1.9695	0.29520	13.85%
034.99	2	0															
035.01	4	3	0.97333	0.09471	0.96338	0.07985	0.02823	8.29%	0.09452	0.00837	0.09489	9.71%	0.86%	9.75%	11.342	0.03325	4.02%
035.05	5	5	0.92600	0.07487	0.92600	0.07487	0.02367	8.08%	0.07070	0.03482	0.07881	7.64%	3.76%	8.51%	2.2634	0.03640	4.05%
035.31	23	21	0.92955	0.05293	0.92946	0.05301	0.00799	5.70%	0.05213	0.01303	0.05373	5.61%	1.40%	5.78%	4.1221	0.01524	4.04%
035.32	3	3	0.88020	0.11834	0.88020	0.11834	0.04831	13.45%	0.11827	0.00579	0.11841	13.44%	0.66%	13.45%	20.436	0.00707	4.08%
035.41	34	31	0.94068	0.04219	0.93792	0.04135	0.00509	4.41%	0.04110	0.01348	0.04326	4.37%	1.43%	4.60%	3.2087	0.01682	4.04%
035.42	17	14	0.93063	0.05791	0.93099	0.07466	0.01320	8.02%	0.05697	0.01474	0.05884	6.12%	1.58%	6.32%	3.9921	0.02064	4.04%
035.43	15	14	0.93144	0.04100	0.92237	0.03650	0.00666	3.96%	0.04002	0.01261	0.04196	4.30%	1.35%	4.50%	3.3282	0.01339	4.05%
035.52	1		0.83870														
035.53	3	3	0.96588	0.04841	0.96588	0.04841	0.01976	5.01%	0.04758	0.01262	0.04923	4.93%	1.31%	5.10%	3.8993	0.01250	4.02%
035.99	4	3	1.2833	0.65135	1.3725	0.56093	0.19832	40.87%	0.65134	0.00577	0.65136	50.75%	0.45%	50.76%	112.82	0.03500	3.81%
036.00	1		0.02160														
036.04	5	4	0.56849	0.02175	0.56479	0.02057	0.00651	3.64%	0.02134	0.00598	0.02216	3.75%	1.05%	3.90%	3.7030	0.01386	4.36%
036.42	17	17	0.56351	0.05355	0.57034	0.03355	0.00575	5.88%	0.05197	0.01829	0.05509	9.22%	3.25%	9.78%	3.0118	0.01951	4.35%
036.43	11	10	0.58869	0.02840	0.58869	0.03221	0.00720	5.47%	0.02701	0.01242	0.02973	4.59%	2.11%	5.05%	2.3935	0.01417	4.33%
036.52	1		0.54500														
036.53	1		0.57000														
036.99	2	0															
037.31	24	22	456.26	23.806	458.96	23.549	3.4721	5.13%	23.130	7.9670	24.463	5.07%	1.75%	5.36%	3.0706	9.1487	6.36%
037.32	5	5	474.18	47.153	474.18	47.153	14.911	9.94%	46.564	10.502	47.734	9.82%	2.21%	10.07%	4.5452	10.240	6.33%
037.33	2	0															
037.41	29	26	452.89	32.136	454.84	20.033	2.6770	4.40%	31.882	5.7020	32.388	7.04%	1.26%	7.15%	5.6801	7.2835	6.37%
037.42	16	14	463.93	26.738	461.47	28.771	5.2528	6.23%	24.620	14.749	28.700	5.31%	3.18%	6.19%	1.9459	14.637	6.35%
037.43	23	22	457.54	33.234	458.20	35.955	5.4204	7.85%	32.959	6.0370	33.507	7.20%	1.32%	7.32%	5.5503	6.8595	6.36%
037.44	2	0															
037.52	2	0															
037.53	3	3	454.19	20.985	454.19	20.985	8.5672	4.62%	20.188	8.1017	21.753	4.44%	1.78%	4.79%	2.6850	9.2467	6.37%
037.99	3	3	440.17	23.186	440.17	23.186	9.4656	5.27%	18.189	20.335	27.282	4.13%	4.62%	6.20%	1.3417	25.667	6.40%
038.34	1		2.8950														
038.41	4	3	1.8858	0.01730	1.8331	0.10632	0.03759	5.80%	0.01614	0.00880	0.01838	0.86%	0.47%	0.97%	2.0901	0.00848	14.60%
038.42	3	2	1.6850	0.16263	1.4800	0.37323	0.15237	25.22%	0.16263	0.00000	0.16263	9.65%	0.00%	9.65%		0.21333	15.08%
038.43	8	6	1.7433	0.32569	1.6601	0.36971	0.09243	22.27%	0.31747	0.10288	0.33372	18.21%	5.90%	19.14%	3.2439	0.14038	14.82%
038.52	3	3	1.9878	0.03293	1.9878	0.03293	0.01344	1.66%	0.01265	0.04299	0.04481	0.64%	2.16%	2.25%	1.0424	0.04433	14.43%
038.53	4	3	2.0871	0.05438	1.8976	0.38163	0.13493	20.11%		0.07910			3.79%			0.16388	14.53%
040.42	1		11.100														

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040.52	1		9.6500														
040.53	1		10.304														
041.41	1		4.9500														
041.43	1		5.5000														
041.52	1		4.9900														
041.53	1		5.5800														
042.00	2	0															
042.01	1		1.7000														
065.03	1		45.500														
079.99	1		0.00000														
082.01	1		0.00000														
091.99	1		0.00000														
101.01	2	0															
101.02	1		2,497.5														
102.00	1		19.085														
102.01	1		65.150														
103.01	1		36.100														
103.02	1		44.905														
104.00	2	0															
104.03	2	0															
105.00	2	0															
106.00	1		116.00														
106.02	24	21	34.550	7.1105	35.167	5.4902	0.80949	15.61%	6.8786	2.5472	7.3351	19.91%	7.37%	21.23%	2.8797	3.2182	23.51%
107.00	1		74.850														
108.01	2	0															
108.02	5	4	6.1550	2.2006	6.1770	1.9064	0.60287	30.86%	2.1906	0.29762	2.2107	35.59%	4.84%	35.92%	7.4280	0.92600	30.54%
108.99	2	0															
109.02	19	17	478.19	79.307	474.16	86.754	14.459	18.30%	78.354	17.335	80.249	16.39%	3.63%	16.78%	4.6292	20.434	6.33%
109.99	1		504.00														
111.00	3	2	2.4000	3.3941	46.267	76.017	31.034	164.30%	3.3912	0.20000	3.3971	141.30%	8.33%	141.54%	16.985	2.8000	8.98%
112.99	1		0.58000														
113.01	1		4.8450														
113.02	1		3.9050														
114.01	2	0															
114.99	2	0															
120.00	13	12	1.3114	0.05213	1.3014	0.05254	0.01030	4.04%	0.05155	0.01103	0.05271	3.93%	0.84%	4.02%	4.7777	0.01149	3.84%
120.01	3	3	1.2787	0.06087	1.2787	0.06087	0.02485	4.76%	0.05933	0.01927	0.06238	4.64%	1.51%	4.88%	3.2370	0.02333	3.85%
120.02	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
120.05	5	5	1.2611	0.04102	1.2611	0.04102	0.01297	3.25%	0.04034	0.01049	0.04168	3.20%	0.83%	3.31%	3.9727	0.01020	3.86%
121.00	13	11	1.8578	0.06321	1.8472	0.07280	0.01486	3.94%	0.06235	0.01477	0.06407	3.36%	0.80%	3.45%	4.3369	0.01602	3.65%
121.01	3	3	1.8977	0.04591	1.8977	0.04591	0.01874	2.42%	0.03935	0.03344	0.05164	2.07%	1.76%	2.72%	1.5442	0.04533	3.63%
121.02	2	0															
121.05	5	4	1.8921	0.06351	1.8559	0.09791	0.03096	5.28%	0.06288	0.01261	0.06413	3.32%	0.67%	3.39%	5.0842	0.04540	3.64%
122.00	13	11	2.4138	0.05352	2.4127	0.05280	0.01078	2.19%	0.05252	0.01456	0.05450	2.18%	0.60%	2.26%	3.7426	0.01962	3.50%
122.01	3	3	2.5133	0.17715	2.5133	0.17715	0.07232	7.05%	0.17639	0.02324	0.17791	7.02%	0.92%	7.08%	7.6561	0.02933	3.48%
122.02	2	0															
122.05	5	5	2.4651	0.10543	2.4651	0.10543	0.03334	4.28%	0.10112	0.04220	0.10957	4.10%	1.71%	4.44%	2.5964	0.05140	3.49%
124.00	14	13	0.43870	0.04243	0.42875	0.03198	0.00604	7.46%	0.04203	0.00820	0.04282	9.58%	1.87%	9.76%	5.2237	0.00888	4.54%
124.01	1		0.38350														
124.02	2	0															
124.05	3	3	0.43533	0.03083	0.43533	0.03083	0.01259	7.08%	0.03069	0.00416	0.03097	7.05%	0.96%	7.11%	7.4382	0.00400	4.53%
124.99	1		0.24700														
125.00	13	12	4.7242	0.19062	4.7105	0.16674	0.03270	3.54%	0.18975	0.02569	0.19148	4.02%	0.54%	4.05%	7.4527	0.03257	3.17%
125.01	3	3	4.7553	0.24004	4.7553	0.24004	0.09799	5.05%	0.23673	0.05617	0.24330	4.98%	1.18%	5.12%	4.3313	0.07933	3.16%
125.02	2	0															
125.05	5	4	4.6251	0.32630	4.6263	0.28260	0.08937	6.11%	0.32571	0.02771	0.32689	7.04%	0.60%	7.07%	11.799	0.09980	3.18%
126.00	13	12	1.1164	0.02490	1.1126	0.02252	0.00442	2.02%	0.02437	0.00719	0.02541	2.18%	0.64%	2.28%	3.5324	0.00791	3.94%
126.01	3	3	1.0760	0.04468	1.0760	0.04468	0.01824	4.15%	0.04311	0.01659	0.04619	4.01%	1.54%	4.29%	2.7838	0.02333	3.96%
126.02	2	0															
126.05	5	5	1.1298	0.05339	1.1298	0.05339	0.01688	4.73%	0.05012	0.02601	0.05647	4.44%	2.30%	5.00%	2.1708	0.02680	3.93%
127.00	13	12	0.69090	0.02245	0.68549	0.01827	0.00358	2.67%	0.02190	0.00703	0.02300	3.17%	1.02%	3.33%	3.2698	0.00904	4.23%
127.01	2	0															
127.02	2	0															
127.05	5	5	0.68410	0.02560	0.68410	0.02560	0.00810	3.74%	0.02264	0.01690	0.02826	3.31%	2.47%	4.13%	1.6717	0.02060	4.23%
128.00	13	11	1.0152	0.04498	1.0196	0.03859	0.00757	3.78%	0.04402	0.01313	0.04593	4.34%	1.29%	4.52%	3.4991	0.01818	3.99%
128.01	3	3	1.0025	0.10395	1.0025	0.10395	0.04244	10.37%	0.10357	0.01255	0.10433	10.33%	1.25%	10.41%	8.3133	0.01300	4.00%
128.02	2	0															
128.05	5	5	1.0225	0.02596	1.0225	0.02596	0.00821	2.54%	0.02430	0.01293	0.02753	2.38%	1.26%	2.69%	2.1281	0.01380	3.99%
129.00	13	11	2.0641	0.06467	2.0594	0.05400	0.01059	2.62%	0.06416	0.01147	0.06518	3.11%	0.56%	3.16%	5.6839	0.01695	3.59%
129.01	3	3	2.0520	0.03894	2.0520	0.03894	0.01590	1.90%	0.03402	0.02680	0.04331	1.66%	1.31%	2.11%	1.6161	0.03537	3.59%
129.02	2	0															
129.05	5	4	2.0443	0.05940	2.0479	0.05209	0.01647	2.54%	0.05781	0.01933	0.06096	2.83%	0.95%	2.98%	3.1541	0.05020	3.59%
130.00	14	13	2.1120	0.07643	2.1067	0.06708	0.01268	3.18%	0.07255	0.03398	0.08012	3.44%	1.61%	3.79%	2.3575	0.03550	3.58%
130.01	4	4	2.0429	0.06414	2.0429	0.06414	0.02268	3.14%	0.03037	0.07989	0.08547	1.49%	3.91%	4.18%	1.0698	0.09725	3.59%
130.02	2	0															
130.05	7	7	2.1400	0.12355	2.1570	0.07608	0.02033	3.53%	0.11667	0.05748	0.13006	5.45%	2.69%	6.08%	2.2627	0.06086	3.56%

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
130.99	1		2.0400														
131.00	15	13	0.37231	0.02924	0.37916	0.02606	0.00476	6.87%	0.02898	0.00552	0.02950	7.78%	1.48%	7.92%	5.3408	0.00801	4.63%
131.01	2	0															
131.02	2	0															
131.05	5	4	0.38175	0.01809	0.37510	0.02160	0.00683	5.76%	0.01773	0.00512	0.01845	4.64%	1.34%	4.83%	3.6018	0.01300	4.64%
131.99	2	0															
132.00	13	11	1.2794	0.03992	1.2752	0.04583	0.00936	3.59%	0.03964	0.00663	0.04019	3.10%	0.52%	3.14%	6.0601	0.00687	3.86%
132.01	3	3	1.2583	0.05473	1.2583	0.05473	0.02234	4.35%	0.05315	0.01850	0.05627	4.22%	1.47%	4.47%	3.0415	0.02400	3.86%
132.02	2	0															
132.05	5	4	1.2689	0.02817	1.2695	0.02444	0.00773	1.93%	0.02680	0.01227	0.02948	2.11%	0.97%	2.32%	2.4020	0.03100	3.86%
133.00	13	11	1.4852	0.04590	1.4886	0.04594	0.00901	3.09%	0.04531	0.01044	0.04649	3.05%	0.70%	3.13%	4.4545	0.01394	3.77%
133.04	1		1.4750														
133.05	5	5	1.5174	0.02229	1.5174	0.02229	0.00705	1.47%		0.03702			2.44%			0.03840	3.76%
133.99	1		2.2400														
134.00	13	11	1.2232	0.07234	1.2334	0.04456	0.00910	3.61%	0.07198	0.01016	0.07270	5.88%	0.83%	5.94%	7.1552	0.01483	3.88%
134.01	3	3	1.2832	0.05411	1.2832	0.05411	0.02209	4.22%	0.03582	0.05735	0.06762	2.79%	4.47%	5.27%	1.1790	0.06167	3.85%
134.02	2	0															
134.05	5	5	1.2391	0.08071	1.2391	0.08071	0.02552	6.51%	0.07748	0.03196	0.08381	6.25%	2.58%	6.76%	2.6225	0.03580	3.87%
135.00	13	11	0.94936	0.03644	0.95270	0.02233	0.00438	2.34%	0.03535	0.01251	0.03750	3.72%	1.32%	3.95%	2.9970	0.01725	4.03%
135.01	3	3	0.94500	0.07769	0.94500	0.07769	0.03172	8.22%	0.07628	0.02084	0.07907	8.07%	2.21%	8.37%	3.7941	0.02267	4.03%
135.02	2	0															
135.05	5	5	0.97640	0.03843	0.97640	0.03843	0.01215	3.94%	0.03251	0.02899	0.04356	3.33%	2.97%	4.46%	1.5027	0.03360	4.01%
136.00	4	4	0.30319	0.05006	0.30319	0.05006	0.01770	16.51%	0.04992	0.00529	0.05020	16.46%	1.74%	16.56%	9.4971	0.00593	4.79%
136.01	5	4	0.32013	0.01112	0.30930	0.02605	0.00824	8.42%	0.01103	0.00203	0.01122	3.45%	0.63%	3.50%	5.5222	0.00860	4.77%
136.02	2	0															
136.03	3	3	0.32000	0.01282	0.32000	0.01282	0.00523	4.01%	0.01267	0.00277	0.01296	3.96%	0.87%	4.05%	4.6823	0.00333	4.75%
136.99	2	0															
137.00	9	9	0.86192	0.05737	0.86561	0.05114	0.01205	5.91%	0.05696	0.00968	0.05777	6.61%	1.12%	6.70%	5.9654	0.01082	4.09%
137.01	3	3	0.88183	0.05085	0.88183	0.05085	0.02076	5.77%	0.05079	0.00358	0.05092	5.76%	0.41%	5.77%	14.213	0.00433	4.08%
137.02	2	0															
137.05	5	5	0.80920	0.09405	0.80920	0.09405	0.02974	11.62%	0.09355	0.01376	0.09456	11.56%	1.70%	11.69%	6.8706	0.01880	4.13%
138.00	13	11	1.2073	0.05422	1.2049	0.05734	0.01170	4.76%	0.05394	0.00778	0.05450	4.47%	0.64%	4.51%	7.0068	0.00906	3.89%
138.01	3	2	1.2938	0.09723	1.2938	0.06875	0.02807	5.31%	0.09716	0.00502	0.09729	7.51%	0.39%	7.52%	19.362	0.10367	3.85%
138.02	2	0															
138.05	5	5	1.2650	0.07516	1.2650	0.07516	0.02377	5.94%	0.07421	0.01689	0.07611	5.87%	1.34%	6.02%	4.5050	0.01720	3.86%
139.00	1		0.07000														
139.02	2	0															
143.00	1		2.2400														

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160.99	7	4	0.22225	0.07344	0.22879	0.06041	0.01744	26.41%	0.07300	0.01142	0.07388	32.84%	5.14%	33.24%	6.4676	0.04133	4.99%
161.99	2	0															
162.99	7	5	0.40560	0.07273	0.43823	0.09873	0.02639	22.53%	0.06693	0.04025	0.07810	16.50%	9.92%	19.25%	1.9404	0.06471	4.53%
163.99	4	3	0.00000	0.00000	0.00380	0.00760	0.00269	200.00%	0.00000	0.00000	0.00000					0.00065	9.25%
164.99	4	3	0.16700	0.28925	0.21950	0.25846	0.09138	117.75%	0.28924	0.00327	0.28926	173.20%	1.96%	173.21%	88.568	0.05400	5.03%
165.99	7	7	1.9849	0.19333	1.9849	0.21924	0.05859	11.05%	0.17929	0.10230	0.20642	9.03%	5.15%	10.40%	2.0178	0.11914	3.61%
166.99	1		1.1945														
167.99	1		1.2460														
200.99	1		0.00000														
210.99	1		2.5050														
355.02	1		0.00000														
361.04	1		53.500														
363.02	1		0.00000														
365.05	1		228.00														
379.05	1		0.00000														
388.05	1		0.00000														
389.02	1		0.00000														
391.02	1		0.00000														
400.01	3	3	0.56887	0.01115	0.56887	0.01115	0.00455	1.96%	0.01060	0.00487	0.01167	1.86%	0.86%	2.05%	2.3946	0.00607	#DIV/0!
516.00	3	3	0.55802	0.13531	0.55802	0.13531	0.05524	24.25%	0.13102	0.04780	0.13947	23.48%	8.57%	24.99%	2.9177	0.05470	17.46%
516.34	1		0.00000														
516.42	1		0.34800														
516.43	2	0															
516.52	2	0															
516.53	6	5	0.58539	0.03408	0.59898	0.03502	0.01011	5.85%	0.02690	0.02959	0.03999	4.60%	5.05%	6.83%	1.3515	0.04005	17.28%
518.34	4	3	0.15750	0.03544	0.32313	0.33251	0.11756	102.90%	0.03518	0.00607	0.03570	22.34%	3.85%	22.67%	5.8827	0.04025	18.96%
518.41	4	4	0.15919	0.02383	0.15919	0.02383	0.00842	14.97%	0.02300	0.00882	0.02463	14.45%	5.54%	15.47%	2.7929	0.01088	21.09%
518.43	4	3	0.14010	0.12294	0.52008	0.76655	0.27102	147.39%	0.12268	0.01138	0.12321	87.57%	8.12%	87.94%	10.831	0.07985	17.65%
518.52	2	0															
518.53	6	6	0.19433	0.01453	0.19433	0.01648	0.00476	8.48%	0.01378	0.00653	0.01525	7.09%	3.36%	7.85%	2.3343	0.00603	20.47%
520.31	1		4.0500														
520.41	4	4	4.8484	1.2311	4.8484	1.2311	0.43525	25.39%	1.2307	0.04164	1.2314	25.38%	0.86%	25.40%	29.575	0.04075	12.61%
520.43	4	4	3.9172	2.9806	3.9172	2.9806	1.0538	76.09%	2.9757	0.24021	2.9854	75.97%	6.13%	76.21%	12.428	0.24770	13.03%
520.52	2	0															
520.53	4	4	4.8699	1.9590	4.8699	1.9590	0.69261	40.23%	1.9575	0.10942	1.9605	40.20%	2.25%	40.26%	17.918	0.11140	12.61%
520.99	1		5.1950														
526.31	1		0.00900														
526.33	1		0.90500														

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526.34	1		0.08250														
526.41	2	0															
526.43	3	2	0.00000	0.00000	0.18810	0.32580	0.13301	173.21%	0.00000	0.00000	0.00000					0.05620	20.57%
526.52	3	2	0.13300	0.18809	0.17183	0.14904	0.06085	86.74%	0.18809	0.00000	0.18809	141.42%	0.00%	141.42%		0.00167	20.85%
526.53	6	5	0.24179	0.01710	0.24760	0.02370	0.00684	9.57%	0.00865	0.02086	0.02258	3.58%	8.63%	9.34%	1.0825	0.03962	19.74%
529.00	2	0															
529.99	5	5	13.372	14.390	13.372	14.390	4.5504	107.61%	14.351	1.4879	14.428	107.32%	11.13%	107.90%	9.6970	1.5520	10.83%
539.41	3	3	2.6596	0.69169	2.6596	0.69169	0.28238	26.01%	0.68889	0.08795	0.69448	25.90%	3.31%	26.11%	7.8967	0.09417	13.81%
539.43	3	3	3.0389	0.30976	3.0389	0.30976	0.12646	10.19%	0.18554	0.35079	0.39683	6.11%	11.54%	13.06%	1.1313	0.44357	13.53%
539.52	1		6.6000														
539.53	4	4	2.9790	0.26750	2.9790	0.26750	0.09457	8.98%	0.24693	0.14547	0.28659	8.29%	4.88%	9.62%	1.9701	0.15568	13.57%
600.01	2	0															
600.03	1		1.0000														
600.11	1		2.4000														
600.12	1		2.1500														
600.20	1		0.00000														
610.01	1		950.00														
620.01	1		1,500.0														
620.04	1		5,800.0														
640.01	1		124.00														
650.01	1		149.50														