

AAFCO Check Sample Program
Method Performance & Summary Report



AAFCO
Check Sample Program



Sample # 201641
Tomato Pomace
Pet Food Program

Labs Reporting: 56
Issue Date : 04/30/2016

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
001.00	4	3	5.6427	0.24675	5.6427	0.24675	0.14246	4.37%	0.24558	0.03399	0.24792	4.35%	0.60%	4.39%	7.2949	0.09850	3.08%
001.03	3	3	3.8603	2.8446	3.8603	2.8446	1.6423	73.69%	2.8446	0.02160	2.8447	73.69%	0.56%	73.69%	131.70	0.02257	3.26%
001.07	10	10	5.5802	0.22436	5.5797	0.25325	0.08009	4.54%	0.21838	0.07278	0.23019	3.91%	1.30%	4.13%	3.1628	0.07720	3.09%
001.99	1		5.5000														
002.00	1		21.075														
002.01	3	2	20.513	0.12374	20.513	0.12374	0.08750	0.60%	0.11619	0.06021	0.13086	0.57%	0.29%	0.64%	2.1735	0.36000	2.21%
002.02	1		20.580														
002.04	3	3	20.315	0.19216	20.315	0.19216	0.11094	0.95%	0.17277	0.11895	0.20976	0.85%	0.59%	1.03%	1.7634	0.13667	2.22%
002.05	4	4	20.102	0.65931	20.102	0.65931	0.32966	3.28%	0.64696	0.17966	0.67144	3.22%	0.89%	3.34%	3.7372	0.19675	2.23%
002.06	40	37	20.634	0.34811	20.646	0.34424	0.05512	1.67%	0.33536	0.13198	0.36040	1.63%	0.64%	1.75%	2.7307	0.15141	2.20%
002.08	2	0															
002.11	1		21.985														
002.99	3	2	20.750	0.14142	20.750	0.14142	0.10000	0.68%	0.13229	0.07071	0.15000	0.64%	0.34%	0.72%	2.1213	0.40000	2.20%
003.00	8	6	14.104	0.50733	14.366	0.76723	0.27126	5.34%	0.50369	0.08578	0.51095	3.57%	0.61%	3.62%	5.9564	0.14601	2.64%
003.01	1		13.800														
003.06	4	4	14.241	0.30947	14.241	0.30947	0.15474	2.17%	0.07528	0.42451	0.43114	0.53%	2.98%	3.03%	1.0156	0.43250	2.65%
003.09	4	4	14.099	0.05648	14.099	0.05648	0.02824	0.40%		0.09321			0.66%		0.11750		2.66%
003.10	6	5	13.441	0.24631	13.441	0.24631	0.11015	1.83%	0.23426	0.10763	0.25780	1.74%	0.80%	1.92%	2.3953	0.11530	2.71%
003.12	2	0															
003.13	2	0															
003.14	7	6	13.835	0.30801	13.956	0.48212	0.18222	3.45%	0.28336	0.17077	0.33084	2.05%	1.23%	2.39%	1.9373	0.14486	2.68%
003.99	1		13.455														
004.00	11	11	37.170	2.1247	37.049	2.1232	0.64018	5.73%	2.1111	0.33934	2.1382	5.68%	0.91%	5.75%	6.3011	0.40221	1.64%
004.03	3	3	33.247	3.8789	33.247	3.8789	2.2395	11.67%	3.8678	0.41469	3.8900	11.63%	1.25%	11.70%	9.3804	0.43333	1.73%
004.06	6	5	35.874	0.64166	36.227	1.1773	0.48064	3.25%	0.59703	0.33251	0.68338	1.66%	0.93%	1.90%	2.0552	0.54833	1.66%
004.07	18	17	36.884	1.9950	36.897	1.9126	0.46388	5.18%	1.9676	0.46606	2.0221	5.33%	1.26%	5.48%	4.3386	0.52065	1.65%
004.11	1		8.7650														
005.00	34	31	3.3710	0.06061	3.3728	0.06254	0.01089	1.85%	0.05583	0.03339	0.06505	1.66%	0.99%	1.93%	1.9484	0.04074	3.33%
005.05	4	3	3.4189	0.01038	3.4189	0.01038	0.00599	0.30%	0.00483	0.01299	0.01386	0.14%	0.38%	0.41%	1.0668	0.01583	3.32%
005.11	1		6.9950														
005.99	7	6	3.3858	0.07755	3.3950	0.04431	0.01809	1.31%	0.07725	0.00957	0.07785	2.28%	0.28%	2.30%	8.1307	0.01167	3.33%
006.01	1		1.9600														

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006.99	3	3	0.80533	0.09450	0.80533	0.09450	0.05456	11.73%	0.09434	0.00770	0.09466	11.71%	0.96%	11.75%	12.289	0.00867	4.13%
008.02	5	4	43.926	4.7641	43.926	4.7641	2.3820	10.85%	4.7630	0.14341	4.7651	10.84%	0.33%	10.85%	33.228	0.42100	1.51%
008.08	8	8	42.537	3.2072	42.537	3.6369	1.2858	8.55%	3.1729	0.66145	3.2411	7.46%	1.55%	7.62%	4.9000	0.72244	1.53%
008.99	2	0															
009.04	1		50.990														
009.07	4	4	48.980	5.1940	48.980	5.1940	2.5970	10.60%	5.1877	0.35980	5.2002	10.59%	0.73%	10.62%	14.453	0.45700	1.43%
009.09	6	6	49.958	3.0766	49.958	3.4889	1.4243	6.98%	3.0172	0.85089	3.1349	6.04%	1.70%	6.28%	3.6842	0.89327	1.41%
009.99	1		52.640														
010.03	2	0															
010.99	7	6	5.8325	0.50593	6.0305	0.79191	0.29932	13.13%	0.47948	0.22831	0.53106	8.22%	3.91%	9.11%	2.3261	0.31286	3.05%
011.01	22	20	6.6325	0.27442	6.6321	0.34679	0.07393	5.23%	0.25351	0.14856	0.29384	3.82%	2.24%	4.43%	1.9779	0.18541	3.01%
011.02	2	0															
011.03	1		5.9300														
012.00	1		2.3000														
012.01	2	0															
012.02	1		0.42500														
012.03	2	0															
013.00	10	9	16.371	0.90073	16.368	1.0155	0.33851	6.20%	0.88601	0.22933	0.91521	5.41%	1.40%	5.59%	3.9908	0.26537	2.47%
013.02	14	11	16.399	0.60272	16.502	0.66309	0.17722	4.02%	0.58928	0.17903	0.61588	3.59%	1.09%	3.76%	3.4400	0.36723	2.46%
013.10	1		16.315														
013.12	1		27.270														
013.13	2	0															
014.99	1		51.800														
015.41	1		55.250														
015.43	2	0															
015.53	1		89.750														
017.43	2	0															
019.00	2	0															
019.31	3	2	0.16675	0.00389	0.16675	0.00389	0.00275	2.33%	0.00265	0.00403	0.00482	1.59%	2.42%	2.89%	1.1961	0.02300	5.24%
019.32	1		0.17000														
019.41	11	9	0.15642	0.00656	0.15765	0.00826	0.00261	5.24%	0.00539	0.00528	0.00755	3.45%	3.38%	4.83%	1.4291	0.00592	5.28%
019.42	7	6	0.15253	0.01183	0.15253	0.01342	0.00548	8.80%	0.01181	0.00106	0.01186	7.74%	0.69%	7.77%	11.199	0.00098	5.31%
019.43	11	9	0.16192	0.00876	0.16387	0.01168	0.00369	7.13%	0.00759	0.00617	0.00979	4.69%	3.81%	6.04%	1.5853	0.00768	5.25%
019.44	5	4	0.17010	0.01690	0.17010	0.01690	0.00845	9.94%	0.01594	0.00793	0.01781	9.37%	4.66%	10.47%	2.2447	2.0063	5.22%
019.52	1		0.12500														
019.53	1		0.17500														
021.41	1		0.30000														
021.43	1		0.17565														
021.52	1		0.16500														
021.53	1		0.33650														
022.31	2	0															
022.32	1		15.500														
022.41	11	9	10.330	0.88161	10.526	1.1757	0.37177	11.17%	0.82369	0.44445	0.93595	7.97%	4.30%	9.06%	2.1059	0.58525	11.22%

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022.42	7	6	11.116	1.7319	10.438	2.7108	1.0246	25.97%	1.6964	0.49333	1.7667	15.26%	4.44%	15.89%	3.5811	0.48716	11.24%
022.43	7	6	10.219	2.0384	10.465	2.2346	0.84459	21.35%	1.9889	0.63139	2.0867	19.46%	6.18%	20.42%	3.3050	1.0081	11.23%
022.44	4	4	9.8819	0.32731	9.8819	0.32731	0.16366	3.31%		0.51132			5.17%			0.59600	11.33%
022.52	2	0															
022.53	2	0															
024.99	3	3	0.12017	0.01451	0.12017	0.01451	0.00838	12.08%		0.02115			17.60%			0.02233	22.01%
025.31	3	3	188.95	21.302	188.95	21.302	12.298	11.27%	21.046	4.6564	21.555	11.14%	2.46%	11.41%	4.6291	4.7667	7.27%
025.32	1		311.00														
025.41	14	13	203.00	10.330	202.41	10.923	2.9193	5.40%	9.3911	6.0862	11.191	4.63%	3.00%	5.51%	1.8387	8.5769	7.19%
025.42	6	6	175.38	105.40	175.38	119.52	48.794	68.15%	105.10	11.093	105.69	59.93%	6.32%	60.26%	9.5278	12.084	7.35%
025.43	10	9	207.01	28.781	199.76	33.736	10.668	16.89%	27.010	14.057	30.449	13.05%	6.79%	14.71%	2.1661	13.684	7.21%
025.52	2	0															
025.53	1		212.50														
027.31	3	3	0.27002	0.00348	0.27002	0.00348	0.00201	1.29%	0.00264	0.00320	0.00415	0.98%	1.19%	1.54%	1.2955	0.00423	4.87%
027.32	1		0.26000														
027.41	11	9	0.26542	0.00809	0.26740	0.01011	0.00305	3.78%	0.00759	0.00395	0.00856	2.86%	1.49%	3.22%	2.1640	0.00618	4.88%
027.42	7	7	0.26727	0.02164	0.26727	0.02455	0.00928	9.18%	0.02105	0.00714	0.02223	7.88%	2.67%	8.32%	3.1137	0.00666	4.88%
027.43	10	8	0.26911	0.00649	0.27106	0.00684	0.00228	2.52%	0.00554	0.00478	0.00732	2.06%	1.78%	2.72%	1.5300	0.00473	4.87%
027.44	4	4	0.27515	0.01008	0.27515	0.01008	0.00504	3.66%	0.00909	0.00617	0.01098	3.30%	2.24%	3.99%	1.7808	0.00690	4.86%
027.52	1		0.24500														
027.53	1		0.30200														
028.31	2	0															
028.32	1		50.000														
028.41	11	10	41.658	1.3748	42.009	1.3416	0.40452	3.19%	1.2676	0.75279	1.4743	3.04%	1.81%	3.54%	1.9584	0.84160	9.11%
028.42	7	5	42.904	3.2196	40.168	6.3207	2.3890	15.74%	3.1763	0.74502	3.2625	7.40%	1.74%	7.60%	4.3790	1.1972	9.18%
028.43	9	7	42.617	6.1227	42.551	5.2547	1.8578	12.35%	6.0913	0.87680	6.1540	14.29%	2.06%	14.44%	7.0188	1.4779	9.10%
028.44	4	4	41.680	1.9556	41.680	1.9556	0.97779	4.69%	1.8797	0.76276	2.0286	4.51%	1.83%	4.87%	2.6595	0.87000	9.12%
028.52	2	0															
028.53	1		44.850														
031.01	7	6	0.52525	0.02674	0.53571	0.04185	0.01582	7.81%	0.02583	0.00975	0.02761	4.92%	1.86%	5.26%	2.8315	0.01271	4.39%
031.03	2	0															
031.41	10	9	0.52432	0.01269	0.52496	0.01290	0.00430	2.46%	0.01158	0.00733	0.01371	2.21%	1.40%	2.61%	1.8703	0.00878	4.41%
031.42	8	6	0.49944	0.01789	0.49244	0.02800	0.01058	5.69%	0.01702	0.00777	0.01871	3.41%	1.56%	3.75%	2.4074	0.00794	4.45%
031.43	11	11	0.54023	0.03140	0.54023	0.03561	0.01074	6.59%	0.02885	0.01751	0.03375	5.34%	3.24%	6.25%	1.9272	0.01673	4.39%
031.44	4	4	0.49200	0.04345	0.49200	0.04345	0.02172	8.83%	0.04235	0.01372	0.04452	8.61%	2.79%	9.05%	3.2447	0.01600	4.45%
031.53	1		0.54200														
032.02	1		0.73000														
032.31	3	3	0.84433	0.02290	0.84433	0.02290	0.01322	2.71%	0.01571	0.02357	0.02832	1.86%	2.79%	3.35%	1.2017	0.03267	4.10%
032.32	1		0.88000														
032.41	11	9	0.83582	0.03324	0.83653	0.03258	0.01030	3.89%	0.03225	0.01136	0.03419	3.86%	1.36%	4.09%	3.0102	0.01840	4.11%
032.42	7	7	0.83803	0.05341	0.84408	0.04574	0.01729	5.42%	0.05084	0.02313	0.05586	6.07%	2.76%	6.67%	2.4145	0.02520	4.10%
032.43	10	9	0.83707	0.06746	0.84752	0.05483	0.01734	6.47%	0.06428	0.02894	0.07049	7.68%	3.46%	8.42%	2.4359	0.03831	4.10%
032.44	4	4	0.76298	0.14925	0.76298	0.14925	0.07463	19.56%	0.14865	0.01900	0.14986	19.48%	2.49%	19.64%	7.8861	0.02595	4.17%

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032.53	1		0.88500														
033.00	2	0															
033.01	6	6	0.20058	0.01908	0.20058	0.02164	0.00883	10.79%	0.01748	0.01081	0.02055	8.72%	5.39%	10.25%	1.9021	0.01017	5.09%
033.99	1		0.16000														
034.04	1		0.13500														
034.43	1		2.2513														
034.52	1		0.09700														
034.53	2	0															
034.99	4	4	0.13038	0.00709	0.13038	0.00709	0.00354	5.44%		0.02226			17.08%		0.02225	21.74%	
035.31	2	0															
035.32	1		0.07955														
035.41	14	14	0.07323	0.00604	0.07302	0.00638	0.00170	8.73%	0.00544	0.00371	0.00659	7.44%	5.07%	9.00%	1.7760	0.00386	5.93%
035.42	6	6	0.07086	0.01008	0.07100	0.01111	0.00454	15.65%	0.01000	0.00181	0.01016	14.11%	2.55%	14.34%	5.6194	0.00192	5.96%
035.43	8	8	0.07205	0.00486	0.07205	0.00551	0.00195	7.65%	0.00399	0.00392	0.00560	5.54%	5.44%	7.77%	1.4282	0.00350	5.94%
035.53	1		0.07030														
036.04	1		0.22500														
036.42	9	8	0.20864	0.00779	0.21065	0.01072	0.00357	5.09%	0.00319	0.01004	0.01054	1.53%	4.81%	5.05%	1.0492	0.01059	5.06%
036.43	4	4	0.23211	0.00829	0.23211	0.00829	0.00415	3.57%	0.00288	0.01100	0.01137	1.24%	4.74%	4.90%	1.0337	0.01188	4.98%
037.31	1		33.200														
037.32	1		35.000														
037.41	11	9	33.969	2.8928	33.429	3.6488	1.1539	10.92%	2.8413	0.76829	2.9434	8.36%	2.26%	8.66%	3.8311	1.5798	9.43%
037.42	7	4	34.569	3.5826	30.657	8.2214	3.3564	26.82%	3.4005	1.5947	3.7558	9.84%	4.61%	10.86%	2.3552	2.9317	9.56%
037.43	7	6	35.594	4.4543	35.270	4.2763	1.7458	12.12%	4.3598	1.2907	4.5468	12.25%	3.63%	12.77%	3.5228	1.3803	9.36%
037.44	4	3	32.067	0.45092	32.067	0.45092	0.26034	1.41%		0.91287			2.85%		1.1450	9.49%	
037.52	1		31.000														
037.53	1		37.900														
038.41	1		0.90000														
038.42	1		0.99000														
038.43	2	0															
038.52	1		0.99000														
038.53	2	0															
040.43	1		3.5863														
040.52	1		2.4500														
041.43	1		0.18195														
041.52	1		0.82000														
042.00	2	0															
042.99	1		0.11500														
101.01	1		684.50														
101.02	1		1,135.0														
102.01	3	3	20.983	2.1773	20.983	2.1773	1.2571	10.38%	2.1323	0.62316	2.2215	10.16%	2.97%	10.59%	3.5648	0.83333	10.12%
103.01	1		2.1100														
103.02	2	0															
104.00	1		2.3900														

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104.02	2	0															
104.03	1		2.6500														
105.00	1		5.3000														
105.99	2	0															
106.02	5	3	12.429	10.128	12.429	10.128	5.8473	81.49%	10.127	0.18296	10.129	81.48%	1.47%	81.50%	55.360	0.20967	
107.00	2	0															
108.01	1		0.00000														
108.99	3																
109.02	2	0															
112.00	1		1,645.0														
112.01	1		3.0850														
113.01	2	0															
114.01	2	0															
120.00	3	2	0.88500	0.00000	0.88500	0.00000	0.00000	0.00%		0.00707			0.80%			0.00667	4.07%
120.01	3	3	0.89350	0.01802	0.89350	0.01802	0.01040	2.02%	0.01470	0.01475	0.02082	1.64%	1.65%	2.33%	1.4118	0.01900	4.07%
120.02	1		0.00000														
121.00	3	3	1.4042	0.02621	1.4042	0.02621	0.01513	1.87%	0.02335	0.01683	0.02879	1.66%	1.20%	2.05%	1.7101	0.01667	3.80%
121.01	3	3	1.5167	0.08694	1.5167	0.08694	0.05019	5.73%	0.07555	0.06083	0.09700	4.98%	4.01%	6.40%	1.5946	0.07333	3.76%
121.02	1		0.00000														
122.00	3	3	1.9341	0.03868	1.9341	0.03868	0.02233	2.00%	0.03507	0.02309	0.04199	1.81%	1.19%	2.17%	1.8182	0.02667	3.62%
122.01	3	3	1.8967	0.04072	1.8967	0.04072	0.02351	2.15%	0.02466	0.04583	0.05204	1.30%	2.42%	2.74%	1.1356	0.05333	3.63%
122.02	1		0.00000														
124.00	3	0															0.00000
124.01	3	3	0.30367	0.02110	0.30367	0.02110	0.01218	6.95%	0.02035	0.00785	0.02182	6.70%	2.59%	7.18%	2.7781	0.00733	4.79%
124.02	1		0.35000														
125.00	3	3	3.3033	0.11998	3.3033	0.11998	0.06927	3.63%	0.11613	0.04262	0.12371	3.52%	1.29%	3.74%	2.9024	0.04333	3.34%
125.01	3	3	3.1617	0.02930	3.1617	0.02930	0.01691	0.93%		0.07714			2.44%			0.09000	3.36%
125.02	1		0.00000														
126.00	3	3	0.95837	0.01046	0.95837	0.01046	0.00604	1.09%	0.00824	0.00913	0.01230	0.86%	0.95%	1.28%	1.3469	0.01000	4.03%
126.01	3	3	0.92517	0.03103	0.92517	0.03103	0.01792	3.35%	0.02818	0.01837	0.03364	3.05%	1.99%	3.64%	1.8313	0.02167	4.05%
126.02	1		0.00000														
127.00	3	3	0.38673	0.01249	0.38673	0.01249	0.00721	3.23%	0.01069	0.00913	0.01406	2.77%	2.36%	3.64%	1.5402	0.01000	4.61%
127.01	3	3	0.37000	0.01997	0.37000	0.01997	0.01153	5.40%	0.01015	0.02433	0.02636	2.74%	6.58%	7.13%	1.0835	0.02667	4.65%
127.02	1		0.00000														
128.00	3	3	0.70823	0.04175	0.70823	0.04175	0.02411	5.90%	0.04155	0.00577	0.04195	5.87%	0.82%	5.92%	7.2664	0.00667	4.21%
128.01	3	3	0.73517	0.04945	0.73517	0.04945	0.02855	6.73%	0.04804	0.01658	0.05082	6.53%	2.26%	6.91%	3.0654	0.01567	4.19%
128.02	1		0.00000														
129.00	3	3	1.1108	0.04306	1.1108	0.04306	0.02486	3.88%	0.04228	0.01155	0.04382	3.81%	1.04%	3.95%	3.7953	0.01333	3.94%
129.01	3	2	1.1150	0.02121	1.1150	0.02121	0.01500	1.90%	0.02121	0.00000	0.02121	1.90%	0.00%	1.90%		0.00667	3.93%
129.02	1		0.00000														
130.00	4	4	1.0094	0.04514	1.0094	0.04514	0.02257	4.47%	0.04083	0.02721	0.04907	4.05%	2.70%	4.86%	1.8031	0.02875	3.99%
130.01	3	3	0.94267	0.02875	0.94267	0.02875	0.01660	3.05%		0.06514			6.91%			0.06867	4.04%
130.02	1		0.00000														

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
130.05	1		0.99100														
131.00	4	4	0.31763	0.01533	0.31763	0.01533	0.00766	4.83%	0.01485	0.00536	0.01579	4.68%	1.69%	4.97%	2.9453	0.00535	4.75%
131.01	3	3	0.28867	0.01950	0.28867	0.01950	0.01126	6.76%	0.01911	0.00548	0.01988	6.62%	1.90%	6.89%	3.6301	0.00733	4.82%
131.02	1		0.00000														
131.05	1		0.27300														
132.00	3	3	0.81840	0.03210	0.81840	0.03210	0.01854	3.92%	0.03184	0.00577	0.03236	3.89%	0.71%	3.95%	5.6054	0.00667	4.12%
132.01	3	3	0.83000	0.02088	0.83000	0.02088	0.01206	2.52%	0.01720	0.01673	0.02400	2.07%	2.02%	2.89%	1.4343	0.01733	4.11%
132.02	1		0.00000														
133.00	3	3	0.84590	0.00524	0.84590	0.00524	0.00302	0.62%		0.01155			1.37%			0.01333	4.10%
133.04	1		0.87800														
133.99	3	2	0.86900	0.03394	0.86900	0.03394	0.02400	3.91%	0.03364	0.00640	0.03424	3.87%	0.74%	3.94%	5.3477	0.04600	4.09%
134.00	3	2	0.89775	0.02510	0.89775	0.02510	0.01775	2.80%	0.02510	0.00000	0.02510	2.80%	0.00%	2.80%		0.01000	4.07%
134.01	3	3	0.86150	0.01103	0.86150	0.01103	0.00637	1.28%		0.02238			2.60%			0.02433	4.09%
134.02	1		0.00000														
135.00	3	3	0.62147	0.01573	0.62147	0.01573	0.00908	2.53%	0.01029	0.01683	0.01973	1.65%	2.71%	3.17%	1.1719	0.01667	4.30%
135.01	3	3	0.62550	0.01602	0.62550	0.01602	0.00925	2.56%	0.01421	0.01046	0.01765	2.27%	1.67%	2.82%	1.6866	0.01233	4.29%
135.02	1		0.00000														
135.05	1		0.72300														
136.00	2	0															
136.02	1		0.15500														
136.99	3	2	0.17375	0.01945	0.17375	0.01945	0.01375	11.19%	0.01944	0.00050	0.01945	11.19%	0.29%	11.19%	38.897	0.00300	5.21%
137.00	3	3	0.63203	0.10476	0.63203	0.10476	0.06048	16.58%	0.10456	0.00913	0.10496	16.54%	1.44%	16.61%	11.498	0.01000	4.29%
137.01	3	3	0.81883	0.04753	0.81883	0.04753	0.02744	5.80%	0.04669	0.01255	0.04835	5.70%	1.53%	5.90%	3.8527	0.01300	4.12%
137.02	1		0.00000														
138.00	3	2	0.79515	0.00021	0.79515	0.00021	0.00015	0.03%		0.00500			0.63%			0.00667	4.14%
138.01	3	3	0.80533	0.04649	0.80533	0.04649	0.02684	5.77%	0.04203	0.02811	0.05056	5.22%	3.49%	6.28%	1.7989	0.03267	4.13%
138.02	1		0.00000														
139.00	2	0															
139.01	1		0.16450														
160.99	4	4	0.37463	0.02508	0.37463	0.02508	0.01254	6.69%	0.02452	0.00742	0.02562	6.55%	1.98%	6.84%	3.4509	0.00725	4.64%
161.99	3																
162.99	3	0														0.00750	
163.99	3																
164.99	3																
165.99	4	4	0.36150	0.05240	0.36150	0.05240	0.02620	14.49%	0.05163	0.01261	0.05315	14.28%	3.49%	14.70%	4.2153	0.01500	4.66%
400.99	1		0.42750														
516.43	1		0.98005														
516.52	1		0.05550														
516.53	2	0															
518.41	1		0.36500														
518.43	2	0															
518.52	1		0.34500														
518.53	2	0															

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520.41	1		0.91500														
520.43	1		1.2750														
520.52	1		0.70500														
520.53	2	0															
526.41	1		0.17000														
526.52	1		0.08750														
526.53	2	0															
539.41	1		1.2000														
539.43	1		1.5070														
539.52	1		1.4000														
539.53	2	0															