

**AAFCO Check Sample Program**  
**All Methods Report**



**AAFCO**  
**Check Sample Program**



**Proficiency For Individual Methods**  
**Sample # 201542**  
**Brown Rice**  
**Pet Food Program**

**# Labs Reporting: 56**  
**Issue Date : 07/31/2015**

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
001.00	4	4	11.640	0.35217	11.640	0.35217	0.17608	3.03%	0.33913	0.13425	0.36474	2.91%	1.15%	3.13%	2.7169	0.14753	2.76%
001.07	5	5	11.555	0.22195	11.555	0.22195	0.09926	1.92%	0.22011	0.04037	0.22378	1.90%	0.35%	1.94%	5.5428	0.05400	2.77%
001.99	1		11.400														
002.01	3	3	7.9878	0.04668	7.9878	0.04668	0.02695	0.58%		0.08947			1.12%		0.09833	2.93%	
002.04	1		8.2650														
002.05	1		8.2800														
002.06	41	39	8.1236	0.22399	8.1476	0.20629	0.02278	2.53%	0.21514	0.08815	0.23250	2.65%	1.09%	2.86%	2.6377	0.10046	2.92%
002.08	2	0															
002.11	1		7.7400														
002.99	3	3	8.1867	0.09866	8.1867	0.09866	0.05696	1.21%	0.09626	0.03055	0.10100	1.18%	0.37%	1.23%	3.3058	0.04000	2.91%
003.00	2	0															
003.01	1		2.9400														
003.06	2	0															
003.09	4	4	2.6695	0.05835	2.6695	0.05835	0.02917	2.19%	0.05041	0.04154	0.06532	1.89%	1.56%	2.45%	1.5725	0.04678	3.45%
003.10	3	2	2.6550	0.00000	2.6550	0.00000	0.00000	0.00%		0.02915			1.10%		0.06350	3.45%	
003.11	1		4.5350														
003.12	1		2.7450														
003.13	5	4	2.4900	0.19335	2.4900	0.19335	0.09667	7.76%	0.18973	0.05268	0.19690	7.62%	2.12%	7.91%	3.7378	0.19200	3.49%
003.14	5	4	2.5963	0.10061	2.5963	0.10061	0.05031	3.88%	0.08554	0.07492	0.11371	3.29%	2.89%	4.38%	1.5178	0.34200	3.46%
003.99	1		2.4200														
004.00	11	10	0.97574	0.26508	1.0013	0.29432	0.06275	29.39%	0.25932	0.07773	0.27072	26.58%	7.97%	27.74%	3.4828	0.09510	4.00%
004.03	1		0.90000														
004.06	2	0															
004.07	8	6	0.74333	0.16911	0.80338	0.25120	0.06714	31.27%	0.14974	0.11113	0.18647	20.14%	14.95%	25.09%	1.6780	0.13146	4.13%
004.11	1		0.12000														
005.00	29	25	1.3035	0.06309	1.2963	0.03907	0.00522	3.01%	0.05592	0.04132	0.06953	4.29%	3.17%	5.33%	1.6827	0.05445	3.85%
005.05	2	0															
005.11	1		1.4650														
005.99	7	5	1.3140	0.01817	1.3067	0.02640	0.00762	2.02%	0.01225	0.01897	0.02258	0.93%	1.44%	1.72%	1.1902	0.01667	3.84%
006.99	3	2	0.75000	0.07071	0.75000	0.07071	0.05000	9.43%	0.07071	0.00000	0.07071	9.43%	0.00%	9.43%	0.00033	4.18%	
008.02	3	3	1.6275	0.41397	1.6275	0.41397	0.23901	25.44%	0.37679	0.24249	0.44808	23.15%	14.90%	27.53%	1.8478	0.24930	3.72%
008.08	2																

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009.07	3	3	3.5591	1.1342	3.5591	1.1342	0.65486	31.87%	1.0818	0.48204	1.1844	30.40%	13.54%	33.28%	2.4570	0.56760	3.30%
009.09	2	0															
010.03	2	0															
010.11	1		12.300														
010.99	4	3	11.667	0.70238	11.667	0.70238	0.40552	6.02%	0.70238	0.00000	0.70238	6.02%	0.00%	6.02%		0.10250	2.76%
011.01	25	22	12.498	0.23753	12.481	0.23452	0.03385	1.88%	0.22758	0.09621	0.24708	1.82%	0.77%	1.98%	2.5681	0.11708	2.74%
011.02	3	2	12.321	0.00813	12.321	0.00813	0.00575	0.07%		0.10782			0.88%			0.10967	2.74%
011.03	5	5	12.398	0.16312	12.398	0.16312	0.07295	1.32%	0.16086	0.03821	0.16534	1.30%	0.31%	1.33%	4.3272	0.04400	2.74%
012.00	1		73.400														
012.01	2	0															
012.02	1		75.995														
012.03	1		70.700														
012.04	1		70.700														
012.11	1		72.110														
013.00	10	9	3.2639	0.28545	3.2552	0.30664	0.07228	9.42%	0.28203	0.06232	0.28883	8.64%	1.91%	8.85%	4.6349	0.07000	3.35%
013.02	22	21	3.4125	0.18867	3.4040	0.21006	0.03167	6.17%	0.16538	0.12843	0.20939	4.85%	3.76%	6.14%	1.6304	0.14584	3.33%
013.10	1		3.4300														
015.41	1		23.050														
019.31	2	0															
019.41	10	9	0.01043	0.00222	0.01069	0.00249	0.00056	23.30%	0.00120	0.00264	0.00290	11.51%	25.30%	27.80%	1.0987	0.00277	7.92%
019.42	4	3	0.01315	0.01496	0.01315	0.01496	0.00863	113.73%	0.01496	0.00004	0.01496	113.73%	0.31%	113.73%	366.33	0.00023	7.68%
019.43	6	4	0.01055	0.00264	0.01312	0.00516	0.00149	39.35%	0.00255	0.00098	0.00273	24.18%	9.32%	25.92%	2.7797	0.00170	7.68%
019.44	4	4	0.00843	0.00131	0.00843	0.00131	0.00065	15.49%	0.00130	0.00011	0.00131	15.47%	1.33%	15.52%	11.698	0.00010	8.21%
019.52	1		0.02000														
021.41	1		0.08500														
021.43	2	0															
021.52	1		0.00000														
021.53	1		0.03295														
022.41	5	5	4.2070	1.5888	4.2070	1.5888	0.71052	37.77%	1.4037	1.0526	1.7545	33.36%	25.02%	41.70%	1.6668	0.98600	12.89%
022.42	3	2	4.2035	1.1123	4.2035	1.1123	0.78650	26.46%	1.1122	0.02059	1.1124	26.46%	0.49%	26.46%	54.022	0.11867	12.89%
022.43	3	3	3.1883	0.17652	3.1883	0.17652	0.10191	5.54%	0.13006	0.16877	0.21307	4.08%	5.29%	6.68%	1.2625	0.19000	13.44%
022.44	3	3	3.2183	0.08737	3.2183	0.08737	0.05044	2.71%	0.05424	0.09687	0.11102	1.69%	3.01%	3.45%	1.1461	0.11000	13.42%
022.52	1		3.1000														
022.53	1		3.1350														
024.99	3																
025.31	1		12.000														
025.41	10	9	12.519	1.8848	12.326	1.0360	0.24418	8.40%	1.7380	1.0313	2.0210	13.88%	8.24%	16.14%	1.9595	1.0211	10.96%
025.42	2	0															
025.43	5	4	12.899	1.2450	12.899	1.2450	0.62250	9.65%	1.1656	0.61868	1.3196	9.04%	4.80%	10.23%	2.1330	2.4020	10.89%
025.52	2	0															
027.31	3	2	0.11275	0.00106	0.11275	0.00106	0.00075	0.94%		0.00180			1.60%			402.63	5.56%
027.41	10	10	0.11206	0.00594	0.11206	0.00674	0.00151	6.02%	0.00546	0.00333	0.00639	4.87%	2.97%	5.70%	1.9224	0.00274	5.56%
027.42	3	2	0.11653	0.00491	0.11653	0.00491	0.00348	4.22%	0.00489	0.00065	0.00494	4.20%	0.56%	4.24%	7.5936	0.00513	5.53%

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027.43	7	7	0.11753	0.00798	0.11650	0.00654	0.00175	5.61%	0.00744	0.00408	0.00848	6.33%	3.47%	7.22%	2.0798	0.00337	5.53%
027.44	4	3	0.10568	0.00546	0.10568	0.00546	0.00315	5.16%	0.00545	0.00046	0.00547	5.15%	0.43%	5.17%	11.976	0.00163	5.61%
027.52	1		0.11000														
028.31	1		33.150														
028.41	10	10	33.106	1.7973	33.018	1.0415	0.23288	3.15%	1.7204	0.73531	1.8710	5.20%	2.22%	5.65%	2.5445	0.73700	9.45%
028.42	3	3	31.947	1.4061	31.947	1.4061	0.81179	4.40%	0.67671	1.7430	1.8698	2.12%	5.46%	5.85%	1.0727	2.0333	9.50%
028.43	6	5	31.711	1.9701	32.487	2.9406	0.84889	9.05%	1.7907	1.1615	2.1344	5.65%	3.66%	6.73%	1.8376	1.3523	9.47%
028.44	4	4	33.250	1.9837	33.250	1.9837	0.99184	5.97%	1.9252	0.67639	2.0405	5.79%	2.03%	6.14%	3.0168	0.85000	9.44%
028.52	2	0															
031.01	3	3	0.32583	0.01588	0.32583	0.01588	0.00917	4.87%	0.00648	0.02050	0.02150	1.99%	6.29%	6.60%	1.0488	0.02633	4.74%
031.03	2	0															
031.41	9	8	0.32946	0.02070	0.32284	0.00792	0.00187	2.45%	0.02053	0.00376	0.02087	6.23%	1.14%	6.33%	5.5547	0.00550	4.74%
031.42	5	5	0.32767	0.01690	0.32767	0.01690	0.00756	5.16%	0.01389	0.01361	0.01945	4.24%	4.15%	5.94%	1.4288	0.01338	4.73%
031.43	8	7	0.34434	0.01310	0.34117	0.01292	0.00323	3.79%	0.01271	0.00447	0.01347	3.69%	1.30%	3.91%	3.0161	0.00775	4.70%
031.44	4	4	0.31125	0.02381	0.31125	0.02381	0.01190	7.65%	0.02325	0.00723	0.02435	7.47%	2.32%	7.82%	3.3685	0.00850	4.77%
032.02	1		0.23500														
032.31	1		0.23950														
032.41	9	9	0.25242	0.01530	0.25264	0.01633	0.00385	6.46%	0.01024	0.01608	0.01906	4.06%	6.37%	7.55%	1.1855	0.01622	4.92%
032.42	4	3	0.24235	0.01432	0.24235	0.01432	0.00827	5.91%	0.01381	0.00539	0.01482	5.70%	2.22%	6.12%	2.7501	636.95	4.95%
032.43	5	5	0.25906	0.02019	0.25906	0.02019	0.00903	7.79%	0.01765	0.01385	0.02244	6.81%	5.35%	8.66%	1.6197	0.01664	4.90%
032.44	4	4	0.23813	0.01613	0.23813	0.01613	0.00807	6.77%	0.01583	0.00440	0.01643	6.65%	1.85%	6.90%	3.7324	0.00475	4.96%
033.00	2																
033.01	4	2	0.06000	0.00000	0.06000	0.00000	0.00000	0.00%	0.00000	0.00000	0.00000	0.00%	0.00%	0.00%		0.00667	6.11%
033.05	1		0.03850														
034.01	1		0.15650														
034.04	2	0															
034.43	1		0.31840														
034.52	1		0.14500														
034.53	2																
034.99	3	3	0.14567	0.00666	0.14567	0.00666	0.00384	4.57%	0.00311	0.00833	0.00889	2.13%	5.72%	6.10%	1.0674	0.00800	21.38%
035.05	1		0.00150														
035.31	1		0.01000														
035.41	11	8	0.00550	0.00427	0.00532	0.00445	0.00111	83.66%	0.00421	0.00103	0.00433	76.52%	18.75%	78.78%	4.2012	0.00090	8.80%
035.42	4	4	0.00474	0.00382	0.00474	0.00382	0.00191	80.72%	0.00382	0.00019	0.00383	80.67%	4.02%	80.77%	20.099	0.00018	8.95%
035.43	4	3	0.00197	0.00086	0.00197	0.00086	0.00050	43.77%	0.00082	0.00035	0.00090	41.90%	17.86%	45.55%	2.5508	0.00310	10.22%
036.04	1		0.11050														
036.42	5	5	0.09772	0.00314	0.09772	0.00314	0.00140	3.21%	0.00254	0.00261	0.00364	2.60%	2.67%	3.73%	1.3954	0.00236	5.68%
036.43	4	4	0.10693	0.00764	0.10693	0.00764	0.00382	7.15%	0.00743	0.00253	0.00785	6.95%	2.36%	7.34%	3.1061	0.00290	5.60%
037.31	1		22.950														
037.41	10	8	25.341	3.3213	24.173	2.3469	0.55318	9.71%	3.3064	0.44478	3.3362	13.05%	1.76%	13.17%	7.5007	0.74333	9.90%
037.42	3	3	22.485	0.91811	22.485	0.91811	0.53007	4.08%		1.7370			7.73%		1.8233	10.01%	
037.43	6	4	22.406	0.30993	23.136	1.6537	0.52295	7.15%		0.76300			3.41%		0.96000	9.97%	
037.44	3	3	23.250	1.8007	23.250	1.8007	1.0396	7.74%	1.7248	0.73144	1.8735	7.42%	3.15%	8.06%	2.5614	0.90000	9.96%

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037.52	2	0															
038.41	1		0.80000														
038.42	1		0.81500														
038.43	3	2	0.81878	0.02655	0.81878	0.02655	0.01878	3.24%		0.05025			6.14%		0.12583	16.49%	
038.52	1		0.91500														
038.53	2	0															
040.52	1		0.36000														
041.52	1		0.25000														
042.00	2	0															
042.99	1		0.02300														
101.01	2	0															
102.01	3	3	67.183	0.68981	67.183	0.68981	0.39826	1.03%		1.0559			1.57%		1.3000	8.49%	
103.02	2	0															
104.02	2	0															
104.03	1		1.4500														
105.00	2	0															
105.99	2	0															
106.02	4																
107.00	2																
108.01	1		0.00000														
108.99	3																
109.02	4	3	7.9333	0.64758	7.9333	0.64758	0.37388	8.16%	0.63907	0.14799	0.65598	8.06%	1.87%	8.27%	4.4327	0.47000	11.71%
112.00	2	0															
113.01	2	0															
114.01	2	0															
120.00	4	4	0.43806	0.01969	0.43806	0.01969	0.00984	4.49%	0.01866	0.00886	0.02066	4.26%	2.02%	4.72%	2.3322	0.01033	4.53%
120.01	3	3	0.46150	0.00757	0.46150	0.00757	0.00437	1.64%	0.00715	0.00349	0.00796	1.55%	0.76%	1.72%	2.2816	0.00367	4.49%
120.02	1		0.44000														
121.00	5	5	0.64434	0.06715	0.64434	0.06715	0.03003	10.42%	0.06160	0.03780	0.07228	9.56%	5.87%	11.22%	1.9120	0.04076	4.27%
121.01	3	3	0.71617	0.02019	0.71617	0.02019	0.01166	2.82%	0.02008	0.00297	0.02030	2.80%	0.42%	2.83%	6.8295	0.00300	4.21%
121.02	1		0.64000														
122.00	5	5	0.73400	0.07241	0.73400	0.07241	0.03238	9.86%	0.07184	0.01272	0.07296	9.79%	1.73%	9.94%	5.7380	0.01756	4.19%
122.01	3	3	0.70533	0.01365	0.70533	0.01365	0.00788	1.94%	0.01203	0.00913	0.01510	1.71%	1.29%	2.14%	1.6541	0.01133	4.22%
122.02	1		0.68500														
124.00	5	5	0.17420	0.01277	0.17420	0.01277	0.00571	7.33%	0.00760	0.01452	0.01639	4.36%	8.33%	9.41%	1.1288	0.01456	5.20%
124.01	3	3	0.17917	0.00629	0.17917	0.00629	0.00363	3.51%	0.00434	0.00644	0.00777	2.42%	3.60%	4.34%	1.2057	0.00900	5.18%
124.02	1		0.20000														
125.00	4	4	1.3407	0.08138	1.3407	0.08138	0.04069	6.07%	0.08025	0.01905	0.08248	5.99%	1.42%	6.15%	4.3306	0.02330	3.83%
125.01	3	2	1.3100	0.01414	1.3100	0.01414	0.01000	1.08%	0.01414	0.00000	0.01414	1.08%	0.00%	1.08%		0.00333	3.84%
125.02	1		1.2900														
126.00	4	3	0.37488	0.00876	0.37488	0.00876	0.00506	2.34%	0.00783	0.00558	0.00961	2.09%	1.49%	2.56%	1.7235	0.02733	4.64%
126.01	3	3	0.36617	0.01077	0.36617	0.01077	0.00622	2.94%	0.01020	0.00492	0.01132	2.79%	1.34%	3.09%	2.3029	0.00633	4.65%
126.02	1		0.35500														

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127.00	4	4	0.19745	0.01265	0.19745	0.01265	0.00632	6.41%	0.01185	0.00627	0.01340	6.00%	3.18%	6.79%	2.1380	0.00845	5.11%
127.01	3	2	0.18900	0.00141	0.18900	0.00141	0.00100	0.75%	0.00141	0.00000	0.00141	0.75%	0.00%	0.75%		0.00100	5.14%
127.02	1		0.21000														
128.00	5	5	0.30594	0.02367	0.30594	0.02367	0.01059	7.74%	0.02322	0.00650	0.02412	7.59%	2.13%	7.88%	3.7077	0.00896	4.78%
128.01	3	3	0.32150	0.01172	0.32150	0.01172	0.00676	3.64%	0.01061	0.00704	0.01273	3.30%	2.19%	3.96%	1.8091	0.00833	4.74%
128.02	1		0.28000														
129.00	4	4	0.61971	0.04959	0.61971	0.04959	0.02479	8.00%	0.04887	0.01194	0.05030	7.89%	1.93%	8.12%	4.2135	0.01638	4.30%
129.01	3	3	0.63500	0.01359	0.63500	0.01359	0.00785	2.14%	0.01356	0.00129	0.01362	2.14%	0.20%	2.15%	10.552	0.00133	4.28%
129.02	1		0.59500														
130.00	4	4	0.32943	0.02778	0.32943	0.02778	0.01389	8.43%	0.02421	0.01927	0.03094	7.35%	5.85%	9.39%	1.6057	0.01960	4.73%
130.01	3	3	0.30150	0.04206	0.30150	0.04206	0.02428	13.95%	0.04195	0.00434	0.04217	13.91%	1.44%	13.99%	9.7182	0.00500	4.79%
130.02	1		0.31500														
130.05	1		0.31700														
130.99	1		0.30000														
131.00	4	4	0.19654	0.00472	0.19654	0.00472	0.00236	2.40%		0.01000			5.09%			0.01013	5.11%
131.01	3	3	0.20283	0.01136	0.20283	0.01136	0.00656	5.60%	0.01095	0.00426	0.01175	5.40%	2.10%	5.80%	2.7578	0.00433	5.09%
131.02	1		0.19500														
132.00	4	4	0.39149	0.01852	0.39149	0.01852	0.00926	4.73%	0.01781	0.00720	0.01921	4.55%	1.84%	4.91%	2.6684	0.01018	4.61%
132.01	3	3	0.40400	0.00958	0.40400	0.00958	0.00553	2.37%	0.00898	0.00473	0.01014	2.22%	1.17%	2.51%	2.1467	0.00600	4.58%
132.02	1		0.36500														
133.00	4	4	0.34846	0.01460	0.34846	0.01460	0.00730	4.19%	0.00989	0.01519	0.01813	2.84%	4.36%	5.20%	1.1934	0.01553	4.69%
133.04	1		0.35200														
133.99	3	3	0.37500	0.01803	0.37500	0.01803	0.01041	4.81%	0.01776	0.00440	0.01829	4.74%	1.17%	4.88%	4.1606	0.00467	4.64%
134.00	4	4	0.38424	0.01768	0.38424	0.01768	0.00884	4.60%	0.01592	0.01088	0.01928	4.14%	2.83%	5.02%	1.7724	0.01303	4.62%
134.01	3	2	0.39525	0.00035	0.39525	0.00035	0.00025	0.09%		0.00559			1.41%			0.02700	4.60%
134.02	1		0.37500														
135.00	4	4	0.27418	0.00551	0.27418	0.00551	0.00276	2.01%		0.00909			3.31%			0.01195	4.86%
135.01	3	3	0.27517	0.01118	0.27517	0.01118	0.00646	4.06%	0.01071	0.00456	0.01164	3.89%	1.66%	4.23%	2.5503	0.00567	4.86%
135.02	1		0.27500														
136.00	3	2	0.12000	0.00000	0.12000	0.00000	0.00000	0.00%	0.00000	0.00000	0.00000	0.00%	0.00%	0.00%		0.00310	5.50%
136.02	1		0.08000														
136.99	3	2	0.10100	0.00849	0.10100	0.00849	0.00600	8.40%	0.00758	0.00539	0.00930	7.51%	5.33%	9.21%	1.7271	0.00800	5.65%
137.00	3	2	0.28000	0.00000	0.28000	0.00000	0.00000	0.00%		0.02000			7.14%			0.01733	4.84%
137.01	3	3	0.39217	0.02417	0.39217	0.02417	0.01395	6.16%	0.02410	0.00261	0.02424	6.14%	0.67%	6.18%	9.2723	0.00300	4.60%
137.02	1		0.25000														
138.00	5	5	0.43648	0.01901	0.43648	0.01901	0.00850	4.36%	0.01693	0.01223	0.02089	3.88%	2.80%	4.79%	1.7076	0.01396	4.53%
138.01	3	3	0.47083	0.01599	0.47083	0.01599	0.00923	3.40%	0.01451	0.00950	0.01734	3.08%	2.02%	3.68%	1.8261	0.01033	4.48%
138.02	1		0.39500														
139.00	3																
139.01	1		0.00000														
160.99	3																
161.99	3																
162.99	3																

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
163.99	3																
164.99	3																
165.99	4	3	0.73783	0.05426	0.73783	0.05426	0.03133	7.35%	0.05422	0.00286	0.05430	7.35%	0.39%	7.36%	19.000	0.01675	4.19%
400.99	1		0.52850														
516.00	1		0.17000														
516.42	1		0.00000														
516.52	1		0.19000														
516.53	1		0.15750														
518.41	1		0.02000														
518.42	1		0.00000														
518.43	1		0.02825														
518.52	1		0.00000														
518.53	1		0.01595														
520.41	1		0.17500														
520.43	2	0															
520.52	1		0.32000														
520.53	1		0.07500														
526.41	1		0.00000														
526.43	1		23.174														
526.52	1		0.00000														
529.99	1		0.00000														
539.41	1		0.04500														
539.43	1		0.36835														
539.52	1		1.2000														
539.53	2	0															