



AAFCO
Association of American Feed Control Officials



Mycotoxin Contaminants Scheme

Brewer's Rice

Test Material Code # 202563

Method Summary Report

(Precision Report Follows)

Labs Reporting: 67

Methods Reported: 103

Issue Date : 08/31/2025

Method Code	Analyte and Method	Total # Labs Submitting	# Labs in Robust Calcs	Raw Mean	Raw SD	Assigned Value Robust Mean	Revised Horwitz SD (offp)	Uncertainty (U) Robust	% RSD - Robust	Average Range (Rob R-bar)	Thompson Horwitz %RSD
600.01	Total Aflatoxin, Neogen Veratox Aflatoxin (ppb)	10	10	10.19	3.756	9.327	3.233	1.278	34.66%	1.360	22.00%
600.20	Total Aflatoxin, LC (ppb)	10	10	11.32	1.848	11.32	3.904	1.543	34.48%	1.048	22.00%
600.24	Total Aflatoxin, LC-MS/MS (ppb)	9	9	10.89	2.759	10.90	3.762	1.568	34.51%	2.210	22.00%
600.14	Total Aflatoxin, Vicam Aflatest (ppb)	6	6	10.02	3.027	10.02	3.465	1.768	34.59%	1.359	22.00%
600.98	Total Aflatoxin, Other Rapid Test Kit (ppb)	4	4	12.19	1.313	12.19	4.194	2.097	34.41%	1.288	22.00%
600.12	Total Aflatoxin, r-Biopharm Ridascreen FAST Afl (ppb)	3	3	7.668	4.516	7.668	2.672	1.889	34.85%	1.345	22.00%
600.08	Total Aflatoxin, Romer AgraQuant Total Afl 4-40ppb (ppb)	2	2	9.763	2.528						
600.13	Total Aflatoxin, r-Biopharm Ridascreen FAST Afl SC (ppb)	2	2	11.11	1.255						
600.21	Total Aflatoxin, LC-PCD FI (ppb)	2	2	9.240	4.688						
600.22	Total Aflatoxin, Vicam Aflatest, LC-FI (ppb)	2	2	9.335	4.823						
600.23	Total Aflatoxin, LC-MS (ppb)	2	2	7.778	1.807						
600.99	Total Aflatoxin, Miscellaneous (ppb)	2	2	12.14	0.1920						
600.02	Total Aflatoxin, Neogen Veratox Aflatoxin HS (ppb)	1	1	12.53							
600.11	Total Aflatoxin, r-Biopharm Ridascreen Afl total (ppb)	1	1	16.95							
600.15	Total Aflatoxin, Vicam Afla-V (ppb)	1	1	13.85							
601.23	Aflatoxin B1, LC-MS/MS (ppb)	21	20	12.00	8.677	10.39	3.590	1.003	34.56%	1.789	22.00%
601.20	Aflatoxin B1, LC (ppb)	10	10	10.16	2.184	10.38	3.586	1.417	34.56%	0.5743	22.00%
601.24	Aflatoxin B1, Vicam Aflatest, LC-FI (ppb)	3	3	8.864	3.736	8.864	3.077	2.175	34.71%	1.136	22.00%
601.16	Aflatoxin B1, RANDOX Biochip Array (ppb)	2	2	10.69	3.093						
601.21	Aflatoxin B1, LC-PCD FI (ppb)	2	2	9.148	3.730						
601.98	Aflatoxin B1, Other Rapid Test Kit (ppb)	2	2	9.920	0.7354						
602.20	Aflatoxin B2, LC (ppb)	7	6	0.7542	0.2934	0.7194	0.2673	0.1364	37.15%	0.3225	22.00%
602.23	Aflatoxin B2, LC-MS/MS (ppb)	19	6	1.624	2.645	0.6998	0.2602	0.1328	37.18%	0.1200	22.00%
602.21	Aflatoxin B2, LC-PCD FI (ppb)	2	2	0.6450	0.1839						
602.24	Aflatoxin B2, Vicam Aflatest, LC-FI (ppb)	2	1	0.5700							
603.16	Aflatoxin G1, RANDOX Biochip Array (ppb)	1	1	1.042							
603.21	Aflatoxin G1, LC-PCD FI (ppb)	1	1	0.0600							
603.20	Aflatoxin G1, LC (ppb)	1		0.6000							
603.23	Aflatoxin G1, LC-MS/MS (ppb)	19									

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603.24	Aflatoxin G1, Vicam Aflatest, LC-FI (ppb)	1		15.00							
604.23	Aflatoxin G2, LC-MS/MS (ppb)	17	1								
604.20	Aflatoxin G2, LC (ppb)	1		0.6000							
604.21	Aflatoxin G2, LC-PCD FI (ppb)	1		0.0100							
604.24	Aflatoxin G2, Vicam Aflatest, LC-FI (ppb)	1		5.000							
610.23	Deoxynivalenol, LC-MS/MS (ppb)	23	23	1,358	315.1	1,344	407.0	106.1	30.29%	88.04	15.30%
610.01	Deoxynivalenol, Neogen Veratox for DON (ppb)	9	9	1,598	162.2	1,598	481.8	200.8	30.15%	295.1	14.91%
610.20	Deoxynivalenol, LC (ppb)	5	4	1,242	85.23	1,242	377.0	188.5	30.36%	52.00	15.48%
610.98	Deoxynivalenol, Other Rapid Test Kit (ppb)	4	4	1,444	323.0	1,444	436.4	218.2	30.24%	95.53	15.14%
610.05	Deoxynivalenol, Romer AgraQuant DON (ppb)	3	3	1,431	96.23	1,431	432.6	249.8	30.24%	33.01	15.16%
610.07	Deoxynivalenol, r-Biopharm Ridascreen FAST DON (ppb)	2	2	1,591	149.7						
610.08	Deoxynivalenol, r-Biopharm Ridascreen FAST DON SC (ppb)	2	2	1,453	208.2						
610.16	Deoxynivalenol, RANDOX Biochip Array (ppb)	2	2	1,036	323.1						
610.99	Deoxynivalenol, Miscellaneous (ppb)	2	2	1,177	61.94						
610.02	Deoxynivalenol, Neogen Veratox for DON HS (ppb)	1	1	1,506							
610.06	Deoxynivalenol, r-Biopharm Ridascreen DON (ppb)	1	1	1,350							
610.09	Deoxynivalenol, Vicam DON-V (ppb)	1	1	1,470							
610.22	Deoxynivalenol, LC-MS (ppb)	1	1	565.5							
610.25	Deoxynivalenol, GC-MS (ppb)	1	1	2,121							
620.23	Total Fumonisin, LC-MS/MS (ppb)	9	9	1,898	848.6	2,007	601.4	250.6	29.97%	114.5	14.40%
620.01	Total Fumonisin, Neogen Veratox Fumonisin (ppb)	6	6	2,209	847.8	2,046	612.7	312.7	29.95%	200.3	14.36%
620.09	Total Fumonisin, r-Biopharm Ridascreen FAST FUM (ppb)	6	6	2,652	912.6	2,439	727.1	371.0	29.81%	294.0	13.99%
620.98	Total Fumonisin, Other Rapid Test Kit (ppb)	3	3	2,880	942.2	2,880	854.6	493.4	29.67%	121.0	13.64%
620.07	Total Fumonisin, Romer AgraQuant Total Fumonisin (ppb)	2	2	2,325	247.5						
620.11	Total Fumonisin, Vicam Fumonitest (ppb)	2	2	1,950	424.3						
620.16	Total Fumonisin, RANDOX Biochip Array (ppb)	2	2	1,992	812.1						
620.02	Total Fumonisin, Neogen Veratox Fumonisin 5/10 (ppb)	1	1	2,350							
620.03	Total Fumonisin, Neogen Veratox Fumonisin HS (ppb)	1	1	2,438							
620.12	Total Fumonisin, Vicam Fumonitest 200 (ppb)	1	1	2,400							
620.20	Total Fumonisin, LC (ppb)	1	1	1,837							
620.99	Total Fumonisin, Miscellaneous (ppb)	1	1	2,114							
621.23	Fumonsin B1, LC-MS/MS (ppb)	22	22	1,731	733.5	1,619	487.9	130.0	30.14%	146.5	14.88%
621.21	Fumonsin B1, LC-FI OPA der. (ppb)	3	3	1,678	23.07	1,678	505.3	357.3	30.11%	107.0	14.80%
621.20	Fumonsin B1, LC (ppb)	1	1	2,097							
621.98	Fumonsin B1, Other Rapid Test Kit (ppb)	1	1	308.4							
622.23	Fumonisin B2, LC-MS/MS (ppb)	22	22	560.7	144.0	542.7	168.5	44.91	31.05%	47.19	17.54%
622.21	Fumonisin B2, LC-FI OPA der. (ppb)	3	3	552.2	45.79	552.2	171.3	98.93	31.03%	57.50	17.49%
623.23	Fumonisin B3, LC-MS/MS (ppb)	13	11	142.0	46.61	137.3	44.25	16.68	32.22%	33.83	21.57%
630.23	Ochratoxin A, LC-MS/MS (ppb)	20	19	18.07	5.658	17.81	6.065	1.739	34.06%	2.116	22.00%
630.20	Ochratoxin A, LC (ppb)	9	9	17.07	3.682	16.77	5.720	2.384	34.11%	0.7612	22.00%

Method Code	Analyte and Method	Total # Labs Submitting	# Labs in Robust Calcs	Raw Mean	Raw SD	Assigned Value Robust Mean	Revised Horwitz SD (offp)	Uncertainty (U) Robust	% RSD - Robust	Average Range (Rob R-bar)	Thompson Horwitz %RSD
630.01	Ochratoxin A, Neogen Veratox Ochratoxin (ppb)	3	3	20.59	24.74	20.59	6.986	4.034	33.93%	4.027	22.00%
630.05	Ochratoxin A, r-Biopharm Ridascreen FAST Och A (ppb)	3	3	19.49	4.956	19.49	6.621	3.823	33.98%	1.379	22.00%
630.06	Ochratoxin A, Vicam OchraTest (ppb)	3	3	14.41	1.349	14.41	4.934	3.489	34.25%	0.3315	22.00%
630.98	Ochratoxin A, Other Rapid Test Kit (ppb)	3	3	15.87	4.376	15.87	5.421	3.130	34.16%	1.200	22.00%
630.16	Ochratoxin A, RANDOX Biochip Array (ppb)	2	2	13.99	0.5075						
630.03	Ochratoxin A, Romer AgraQuant Ochratoxin (ppb)	1	1	27.58							
630.04	Ochratoxin A, r-Biopharm Ridascreen Ochratoxin A (ppb)	1	1	25.82							
630.21	Ochratoxin A, LC-PCD FI (ppb)	1	1	20.30							
630.99	Ochratoxin A, Miscellaneous (ppb)	1	1	16.50							
640.23	T-2 Toxin, LC-MS/MS (ppb)	18	18	143.1	46.11	146.2	47.04	13.86	32.17%	19.88	21.36%
640.05	T-2 Toxin, r-Biopharm Ridascreen FAST T-2 (ppb)	2	2	241.8	109.0						
640.98	T-2 Toxin, Other Rapid Test Kit (ppb)	2	2	142.0	15.56						
640.03	T-2 Toxin, Romer AgraQuant T-2 (ppb)	1	1	148.0							
640.21	T-2 Toxin, LC-PCD FI (ppb)	1	1	40.03							
640.25	T-2 Toxin, GC-MS (ppb)	1	1	227.0							
640.99	T-2 Toxin, Miscellaneous (ppb)	1	1	214.5							
641.23	HT-2 Toxin, LC-MS/MS (ppb)	15	10	19.56	6.157	19.52	6.631	2.621	33.97%	3.396	22.00%
641.21	HT-2 Toxin, LC post-col photochem der. FI (ppb)	1	1	135.1							
642.21	T-2 Toxin + HT-2 Toxin, Neogen Veratox T-2 + HT-2 (ppb)	5	5	205.8	30.17	205.8	65.59	29.33	31.87%	23.60	20.29%
642.04	T-2 Toxin + HT-2 Toxin, LC-MS (ppb)	4	4	196.9	46.27	196.9	62.84	31.42	31.91%	19.46	20.43%
642.98	T-2 Toxin + HT-2 Toxin, Other Rapid Test Kit (ppb)	3	3	231.4	106.4	231.4	73.51	51.98	31.77%	120.7	19.94%
642.16	T-2 Toxin + HT-2 Toxin, RANDOX Biochip Array (ppb)	2	2	100.7	26.47						
642.99	T-2 Toxin + HT-2 Toxin, Miscellaneous Technique (ppb)	1	1	109.7							
650.24	Zearalenone, LC-MS/MS (ppb)	18	17	189.2	39.81	189.8	60.62	18.38	31.94%	12.31	20.54%
650.20	Zearalenone, LC (ppb)	8	8	196.5	36.74	203.6	64.90	28.68	31.88%	7.887	20.33%
650.06	Zearalenone, r-Biopharm Ridascreen FAST ZON (ppb)	4	4	180.5	34.60	180.5	57.73	28.86	31.99%	17.05	20.70%
650.01	Zearalenone, Neogen Veratox Zearalenone (ppb)	4	3	188.0	82.86	188.0	60.06	34.67	31.95%	13.83	20.57%
650.04	Zearalenone, Romer AgraQuant ZON (ppb)	3	3	276.8	76.33	276.8	87.51	50.52	31.62%	10.96	19.41%
650.98	Zearalenone, Other Rapid Test Kit (ppb)	3	3	247.7	10.52	247.7	78.54	45.35	31.71%	27.40	19.74%
650.99	Zearalenone, Miscellaneous (ppb)	3	3	209.7	48.69	209.7	66.79	38.56	31.86%	14.00	20.24%
650.07	Zearalenone, r-Biopharm Ridascreen FAST ZON SC (ppb)	2	2	198.4	114.0						
650.16	Zearalenone, RANDOX Biochip Array (ppb)	2	2	166.2	32.19						
650.21	Zearalenone, LC-FI, ISO (ppb)	2	2	158.2	63.83						
650.23	Zearalenone, LC-MS (ppb)	1	1	222.5							

Notes: Robust statistics not used if < 6 labs reporting. In this case Means and SD's may be reported based on Raw Data with obvious blunders removed. Robust Assigned Values indicated in bold font. Horwitz and Revised Horwitz SD's assigned regardless of participant number.



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Mycotoxin Contaminants Scheme

Brewer's Rice

Test Material Code # 202563

Method Precision Report

Methods Reported: 22

Labs Reporting: 67

Issue Date : 08/31/2025

Method Code	Analyte and Method	Total # Labs Submitting	# Labs used in Precision Calcs	Precision Mean	Precision SD	Between Labs SL	Within Labs sr	Reproducibility SR	Between Labs %RSD	Within Labs %rsd	Reproducibility %RSD	sR/sr
600.01	Total Aflatoxin, Neogen Veratox Aflatoxin (ppb)	10	9	10.19	3.756	0.6422	1.181	1.345	7.10%	13.06%	14.86%	1.138
600.14	Total Aflatoxin, Vicam Aflatest (ppb)	6	5	10.02	3.027	2.904	0.8335	3.021	30.83%	8.85%	32.07%	3.625
600.20	Total Aflatoxin, LC (ppb)	10	9	11.32	1.848	1.771	0.8210	1.952	15.89%	7.37%	17.52%	2.377
600.24	Total Aflatoxin, LC-MS/MS (ppb)	9	9	10.89	2.759	2.434	1.836	3.049	22.34%	16.85%	27.99%	1.661
601.20	Aflatoxin B1, LC (ppb)	10	8	10.16	2.184	1.386	0.4754	1.466	13.19%	4.52%	13.94%	3.083
601.23	Aflatoxin B1, LC-MS/MS (ppb)	21	19	12.00	8.677	3.304	1.387	3.584	32.35%	13.58%	35.09%	2.584
602.20	Aflatoxin B2, LC (ppb)	7	5	0.7542	0.2934	0.1264	0.0673	0.1432	19.60%	10.43%	22.21%	2.128
602.23	Aflatoxin B2, LC-MS/MS (ppb)	19	5	1.624	2.645	0.2704	0.0720	0.2798	49.30%	13.13%	51.02%	3.885
610.01	Deoxynivalenol, Neogen Veratox for DON (ppb)	9	9	1,598	162.2		246.6			15.43%		
610.23	Deoxynivalenol, LC-MS/MS (ppb)	23	22	1,358	315.1	268.2	82.16	280.5	20.26%	6.21%	21.19%	3.414
620.01	Total Fumonisin, Neogen Veratox Fumonisin (ppb)	6	5	2,209	847.8	268.6	190.5	329.3	14.29%	10.13%	17.51%	1.729
620.23	Total Fumonisin, LC-MS/MS (ppb)	9	7	1,898	848.6	412.9	94.93	423.7	20.38%	4.69%	20.91%	4.463
621.23	Fumonsin B1, LC-MS/MS (ppb)	22	20	1,731	733.5	289.2	117.8	312.3	18.23%	7.42%	19.69%	2.652
622.23	Fumonisin B2, LC-MS/MS (ppb)	22	21	560.7	144.0	102.2	45.69	112.0	18.94%	8.47%	20.75%	2.451
623.23	Fumonisin B3, LC-MS/MS (ppb)	13	10	142.0	46.61	24.42	27.56	36.82	18.61%	21.00%	28.06%	1.336
630.20	Ochratoxin A, LC (ppb)	9	8	17.07	3.682	3.564	0.5001	3.599	20.28%	2.84%	20.47%	7.197
630.23	Ochratoxin A, LC-MS/MS (ppb)	20	19	18.07	5.658	5.512	1.808	5.800	30.50%	10.00%	32.10%	3.209
640.23	T-2 Toxin, LC-MS/MS (ppb)	18	17	143.1	46.11	33.18	17.61	37.56	22.07%	11.71%	24.98%	2.133
641.23	HT-2 Toxin, LC-MS/MS (ppb)	15	9	19.56	6.157	5.004	1.857	5.337	27.24%	10.11%	29.06%	2.874
642.21	T-2 Toxin + HT-2 Toxin, Neogen Veratox T-2 + HT-2 (ppb)	5	5	205.8	30.17	27.67	17.01	32.48	13.44%	8.27%	15.78%	1.909
650.20	Zearalenone, LC (ppb)	8	7	196.5	36.74	15.21	5.921	16.32	7.30%	2.84%	7.83%	2.756
650.24	Zearalenone, LC-MS/MS (ppb)	18	16	189.2	39.81	37.78	12.95	39.94	20.31%	6.96%	21.47%	3.083

Notes: Precision Calculations provided for methods with 5 or more labs contributing to calculations.