



Mycotoxin Contaminants Scheme

Poultry Feed, Medicated

Test Material Code # 202163

Method Summary Report

(Precision Report Follows)

Labs Reporting: 62

Methods Reported: 87

Issue Date : 08/31/2021

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 (R-bar)	Thompson Horwitz %RSD
600.01	Total Aflatoxin, Neogen Veratox Aflatoxin (ppb)	12	11	16.84	3.031	16.49	5.628	2.121	34.13%	2.015	22.00%
600.20	Total Aflatoxin, LC (ppb)	8	8	17.60	6.196	17.46	5.950	2.630	34.08%	1.840	22.00%
600.24	Total Aflatoxin, LC-MS/MS (ppb)	8	8	20.50	6.154	20.50	6.956	3.074	33.93%	2.207	22.00%
600.14	Total Aflatoxin, Vicam Aflatest (ppb)	7	7	16.28	13.06	12.32	4.239	2.003	34.40%	2.140	22.00%
600.12	Total Aflatoxin, r-Biopharm Ridascreen FAST Afl (ppb)	3	3	18.15	7.177	18.15	6.177	3.566	34.04%	0.4917	22.00%
600.13	Total Aflatoxin, r-Biopharm Ridascreen FAST Afl SC (ppb)	3	3	20.49	6.291	20.49	6.952	4.014	33.93%	1.162	22.00%
600.98	Total Aflatoxin, Other Rapid Test Kit (ppb)	3	3	17.12	4.028	17.12	5.836	3.369	34.09%	2.367	22.00%
600.08	Total Aflatoxin, Romer AgraQuant Total Afl 4-40ppb (ppb)	2	2	18.58	3.147						
600.21	Total Aflatoxin, LC-PCD FI (ppb)	2	2	17.87	7.732						
600.22	Total Aflatoxin, Vicam Aflatest, LC-FI (ppb)	1	1	20.20							
600.99	Total Aflatoxin, Miscellaneous (ppb)	1	1	28.97							
601.23	Aflatoxin B1, LC-MS/MS (ppb)	20	19	17.26	4.803	17.09	5.827	1.671	34.10%	2.367	22.00%
601.20	Aflatoxin B1, LC (ppb)	5	5	12.56	3.131	12.56	4.318	1.931	34.38%	0.4280	22.00%
601.21	Aflatoxin B1, LC-PCD FI (ppb)	3	3	16.67	5.113	16.67	5.688	3.284	34.12%	2.113	22.00%
601.24	Aflatoxin B1, Vicam Aflatest, LC-FI (ppb)	2	2	14.42	5.947						
601.98	Aflatoxin B1, Other Rapid Test Kit (ppb)	2	2	14.95	8.485						
601.99	Aflatoxin B1, Miscellaneous (ppb)	1	1	20.50							
602.23	Aflatoxin B2, LC-MS/MS (ppb)	20	11	1.480	0.2010	1.476	0.5378	0.2027	36.44%	0.2609	22.00%
602.20	Aflatoxin B2, LC (ppb)	5	4	0.9113	0.0904	0.9113	0.3364	0.1682	36.92%	0.0425	22.00%
602.21	Aflatoxin B2, LC-PCD FI (ppb)	3	3	1.203	0.3576	1.203	0.4409	0.2545	36.64%	0.0933	22.00%
602.24	Aflatoxin B2, Vicam Aflatest, LC-FI (ppb)	2	2	1.230	0.4950						
603.23	Aflatoxin G1, LC-MS/MS (ppb)	19	2	8.487	11.61	8.487	2.949	2.607		0.2065	22.00%
603.21	Aflatoxin G1, LC-PCD FI (ppb)	1	1	0.2800							
603.99	Aflatoxin G1, Miscellaneous (ppb)	1	1	3.500							
603.24	Aflatoxin G1, Vicam Aflatest, LC-FI (ppb)	1	1	15.00							
604.21	Aflatoxin G2, LC-PCD FI (ppb)	1	1	0.0050							
604.23	Aflatoxin G2, LC-MS/MS (ppb)	17									
604.24	Aflatoxin G2, Vicam Aflatest, LC-FI (ppb)	1		5.000							
610.23	Deoxynivalenol, LC-MS/MS (ppb)	19	19	1,258	288.3	1,268	384.7	110.3	30.34%	80.15	15.44%

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 (R-bar)	Thompson Horwitz %RSD
610.01	Deoxynivalenol, Neogen Veratox for DON (ppb)	10	10	1,604	183.5	1,611	485.6	192.0	30.14%	449.0	14.89%
610.20	Deoxynivalenol, LC (ppb)	4	4	1,270	85.27	1,270	385.4	192.7	30.34%	50.00	15.43%
610.98	Deoxynivalenol, Other Rapid Test Kit (ppb)	5	4	1,430	170.6	1,430	432.4	216.2	30.24%	85.50	15.16%
610.05	Deoxynivalenol, Romer AgraQuant DON (ppb)	3	3	1,390	578.9	1,390	420.7	297.5	30.27%	6.667	15.22%
610.07	Deoxynivalenol, r-Biopharm Ridascreen FAST DON (ppb)	2	2	1,432	153.1						
610.08	Deoxynivalenol, r-Biopharm Ridascreen FAST DON SC (ppb)	2	2	1,874	337.3						
610.99	Deoxynivalenol, Miscellaneous (ppb)	2	2	1,649	135.9						
610.06	Deoxynivalenol, r-Biopharm Ridascreen DON (ppb)	1	1	1,290							
610.22	Deoxynivalenol, LC-MS (ppb)	1	1	1,370							
610.25	Deoxynivalenol, GC-MS (ppb)	1	1	646.0							
620.23	Total Fumonisin, LC-MS/MS (ppb)	6	6	3,474	660.7	3,474	1,026	523.3	29.52%	292.0	13.26%
620.09	Total Fumonisin, r-Biopharm Ridascreen FAST FUM (ppb)	5	5	3,714	973.7	3,714	1,095	489.5	29.47%	92.80	13.13%
620.01	Total Fumonisin, Neogen Veratox Fumonisin (ppb)	6	4	2,291	1,818	2,291	684.0	427.5	29.86%	75.00	14.12%
620.11	Total Fumonisin, Vicam Fumonitest (ppb)	4	4	2,311	618.8	2,311	689.9	344.9	29.85%	210.5	14.10%
620.02	Total Fumonisin, Neogen Veratox Fumonisin 5/10 (ppb)	2	2	3,563	901.6						
620.07	Total Fumonisin, Romer AgraQuant Total Fumonisin (ppb)	2	2	3,618	675.3						
620.20	Total Fumonisin, LC (ppb)	2	2	3,498	639.6						
620.98	Total Fumonisin, Other Rapid Test Kit (ppb)	2	2	4,086	656.9						
620.99	Total Fumonisin, Miscellaneous (ppb)	2	2	3,960	1,004						
621.23	Fumonsin B1, LC-MS/MS (ppb)	18	18	2,509	527.0	2,482	739.4	217.8	29.79%	251.2	13.95%
621.21	Fumonsin B1, LC-FI OPA der. (ppb)	2	2	1,471	182.8						
621.20	Fumonsin B1, LC (ppb)	1	1	3,585							
621.98	Fumonsin B1, Other Rapid Test Kit (ppb)	1	1	3,750							
622.23	Fumonisin B2, LC-MS/MS (ppb)	17	17	737.4	159.7	727.4	224.0	67.92	30.80%	67.09	16.78%
622.21	Fumonisin B2, LC-FI OPA der. (ppb)	2	2	351.3	72.48						
623.23	Fumonisin B3, LC-MS/MS (ppb)	10	10	288.8	80.20	288.8	91.20	36.05	31.58%	42.14	19.28%
630.23	Ochratoxin A, LC-MS/MS (ppb)	19	19	193.9	44.98	198.2	63.23	18.13	31.91%	18.79	20.41%
630.20	Ochratoxin A, LC (ppb)	7	7	231.0	82.04	231.0	73.40	34.68	31.77%	4.240	19.94%
630.01	Ochratoxin A, Neogen Veratox Ochratoxin (ppb)	3	3	303.6	309.0	303.6	95.74	55.28	31.54%	9.267	19.14%
630.05	Ochratoxin A, r-Biopharm Ridascreen FAST Och A (ppb)	3	3	101.8	18.47	101.8	33.06	19.09	32.49%	8.502	22.00%
630.99	Ochratoxin A, Miscellaneous (ppb)	2	2	155.4	45.39						
630.03	Ochratoxin A, Romer AgraQuant Ochratoxin (ppb)	1	1	252.5							
630.06	Ochratoxin A, Vicam OchraTest (ppb)	1	1	133.8							
630.98	Ochratoxin A, Other Rapid Test Kit (ppb)	1	1	155.6							
640.23	T-2 Toxin, LC-MS/MS (ppb)	17	14	59.63	21.16	56.01	18.49	6.178	33.02%	5.914	22.00%
640.03	T-2 Toxin, Romer AgraQuant T-2 (ppb)	2	2	78.10	46.48						
640.98	T-2 Toxin, Other Rapid Test Kit (ppb)	2	2	129.1	82.66						
640.05	T-2 Toxin, r-Biopharm Ridascreen FAST T-2 (ppb)	1	1	61.95							
640.21	T-2 Toxin, LC-PCD FI (ppb)	1	1	41.50							
640.25	T-2 Toxin, GC-MS (ppb)	1	1	33.50							

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640.99	T-2 Toxin, Miscellaneous (ppb)	1	1	101.0							
641.23	HT-2 Toxin, LC-MS/MS (ppb)	12	11	88.55	22.79	88.55	28.88	10.88	32.61%	9.902	22.00%
641.21	HT-2 Toxin, LC post-col photochem der. FI (ppb)	1	1	63.50							
642.98	T-2 Toxin + HT-2 Toxin, Other Rapid Test Kit (ppb)	4	4	152.7	48.82	152.7	49.06	24.53	32.13%	19.68	21.23%
642.21	T-2 Toxin + HT-2 Toxin, Neogen Veratox T-2 + HT-2 (ppb)	3	3	280.5	77.63	280.5	88.64	51.18	31.61%	7.367	19.37%
642.04	T-2 Toxin + HT-2 Toxin, LC-MS (ppb)	2	2	143.0	17.68						
642.99	T-2 Toxin + HT-2 Toxin, Miscellaneous Technique (ppb)	2	2	217.5	37.38						
642.03	T-2 Toxin + HT-2 Toxin, LC post-col photochem der. FI (ppb)	1	1	229.8							
650.24	Zearalenone, LC-MS/MS (ppb)	19	18	193.0	102.2	181.5	58.05	17.10	31.98%	14.63	20.68%
650.20	Zearalenone, LC (ppb)	7	7	157.2	71.96	159.7	51.25	24.21	32.09%	5.043	21.08%
650.01	Zearalenone, Neogen Veratox Zearalenone (ppb)	5	5	358.8	122.7	358.8	112.6	50.38	31.40%	46.26	18.66%
650.04	Zearalenone, Romer AgraQuant ZON (ppb)	3	3	290.4	49.24	290.4	91.68	64.83	31.58%	7.700	19.27%
650.06	Zearalenone, r-Biopharm Ridascreen FAST ZON (ppb)	3	3	236.3	22.46	236.3	75.03	43.32	31.75%	26.13	19.88%
650.07	Zearalenone, r-Biopharm Ridascreen FAST ZON SC (ppb)	3	3	167.8	36.27	167.8	53.79	31.06	32.05%	23.92	20.93%
650.21	Zearalenone, LC-FI, ISO (ppb)	2	2	121.4	23.86						
650.98	Zearalenone, Other Rapid Test Kit (ppb)	2	2	275.0	23.55						
650.99	Zearalenone, Miscellaneous (ppb)	2	2	290.5	248.2						
650.23	Zearalenone, LC-MS (ppb)	1	1	202.0							

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.



AAFCO
Proficiency Testing Program



Mycotoxin Contaminants Scheme
Poultry Feed, Medicated
Test Material Code # 202163

Method Precision Report

Methods Reported: 21
Labs Reporting: 62
Issue Date : 08/31/2021

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)	12	10	16.84	3.031	1.399	1.858	2.326	8.68%	11.53%	14.44%	1.252
600.14	Total Aflatoxin, Vicam Aflatest (ppb)	7	6	16.28	13.06	2.254	0.7961	2.390	19.74%	6.97%	20.94%	3.002
600.20	Total Aflatoxin, LC (ppb)	8	7	17.60	6.196	4.625	0.5392	4.656	28.86%	3.37%	29.06%	8.636
600.24	Total Aflatoxin, LC-MS/MS (ppb)	8	8	20.50	6.154	5.976	2.081	6.327	29.15%	10.15%	30.86%	3.041
601.20	Aflatoxin B1, LC (ppb)	5	5	12.56	3.131	3.117	0.4150	3.144	24.82%	3.30%	25.04%	7.577
601.23	Aflatoxin B1, LC-MS/MS (ppb)	20	18	17.26	4.803	4.694	2.145	5.160	27.30%	12.47%	30.01%	2.406
602.23	Aflatoxin B2, LC-MS/MS (ppb)	20	11	1.480	0.2010	0.1022	0.2448	0.2653	6.91%	16.54%	17.92%	1.084
610.01	Deoxynivalenol, Neogen Veratox for DON (ppb)	10	9	1,604	183.5	132.9	146.4	197.7	8.44%	9.30%	12.56%	1.350
610.23	Deoxynivalenol, LC-MS/MS (ppb)	19	18	1,258	288.3	292.4	63.76	299.2	23.16%	5.05%	23.70%	4.693
620.09	Total Fumonisin, r-Biopharm Ridascreen FAST FUM (ppb)	5	5	3,714	973.7	972.0	81.00	975.4	26.17%	2.18%	26.26%	12.04
620.23	Total Fumonisin, LC-MS/MS (ppb)	6	6	3,474	660.7	634.6	260.2	685.9	18.27%	7.49%	19.75%	2.636
621.23	Fumonsin B1, LC-MS/MS (ppb)	18	16	2,509	527.0	373.5	174.4	412.2	15.67%	7.31%	17.29%	2.364
622.23	Fumonisin B2, LC-MS/MS (ppb)	17	16	737.4	159.7	106.8	67.13	126.2	15.05%	9.46%	17.77%	1.879
623.23	Fumonisin B3, LC-MS/MS (ppb)	10	9	288.8	80.20	65.29	28.63	71.29	23.86%	10.46%	26.05%	2.490
630.20	Ochratoxin A, LC (ppb)	7	6	231.0	82.04	89.52	2.029	89.55	38.31%	0.87%	38.32%	44.13
630.23	Ochratoxin A, LC-MS/MS (ppb)	19	17	193.9	44.98	33.30	13.93	36.10	16.66%	6.97%	18.06%	2.591
640.23	T-2 Toxin, LC-MS/MS (ppb)	17	12	59.63	21.16	14.76	3.854	15.25	26.75%	6.98%	27.64%	3.958
641.23	HT-2 Toxin, LC-MS/MS (ppb)	12	11	88.55	22.79	21.66	10.02	23.87	24.46%	11.31%	26.95%	2.383
650.01	Zearalenone, Neogen Veratox Zearalenone (ppb)	5	5	358.8	122.7	120.1	35.37	125.2	33.47%	9.86%	34.90%	3.540
650.20	Zearalenone, LC (ppb)	7	7	157.2	71.96	71.88	4.724	72.03	45.73%	3.01%	45.82%	15.25
650.24	Zearalenone, LC-MS/MS (ppb)	19	16	193.0	102.2	57.91	13.18	59.39	33.48%	7.62%	34.33%	4.506

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