

Mycotoxin Contaminants Scheme

Swine Feed

Test Material Code # 202162

Method Summary Report

(Precision Report Follows)

Labs Reporting: 58

Methods Reported: 91

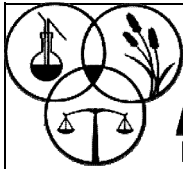
Issue Date : 05/31/2021

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)	11	10	25.30	6.996	24.09	8.136	3.216	33.78%	2.445	22.00%
600.24	Total Aflatoxin, LC-MS/MS (ppb)	8	8	23.06	6.314	23.05	7.795	3.445	33.82%	1.984	22.00%
600.20	Total Aflatoxin, LC (ppb)	5	5	21.46	6.478	21.46	7.271	3.252	33.89%	2.402	22.00%
600.14	Total Aflatoxin, Vicam Aflatest (ppb)	4	4	18.13	4.029	18.13	6.170	3.085	34.04%	1.750	22.00%
600.98	Total Aflatoxin, Other Rapid Test Kit (ppb)	4	4	23.84	4.123	23.84	8.055	4.027	33.79%	2.275	22.00%
600.12	Total Aflatoxin, r-Biopharm Ridascreen FAST Afl (ppb)	3	3	19.47	10.15	19.47	6.615	3.819	33.98%	2.075	22.00%
600.13	Total Aflatoxin, r-Biopharm Ridascreen FAST Afl SC (ppb)	3	3	29.21	1.522	29.21	9.817	5.668	33.60%	2.816	22.00%
600.21	Total Aflatoxin, LC-PCD FI (ppb)	3	3	20.63	3.251	20.63	6.999	4.041	33.92%	1.347	22.00%
600.99	Total Aflatoxin, Miscellaneous (ppb)	2	2	25.67	2.169						
600.02	Total Aflatoxin, Neogen Veratox Aflatoxin HS (ppb)	1	1	18,900							
600.04	Total Aflatoxin, Charm ROSA Fast 5 Aflatoxin Quant (ppb)	1	1	19.50							
600.08	Total Aflatoxin, Romer AgraQuant Total Afl 4-40ppb (ppb)	1	1	25.94							
600.22	Total Aflatoxin, Vicam Aflatest, LC-FI (ppb)	1	1	22.85							
601.23	Aflatoxin B1, LC-MS/MS (ppb)	17	17	20.26	5.096	20.20	6.856	2.079	33.94%	2.175	22.00%
601.20	Aflatoxin B1, LC (ppb)	3	3	16.60	5.747	16.60	5.664	3.270	34.12%	0.3900	22.00%
601.21	Aflatoxin B1, LC-PCD FI (ppb)	4	3	21.18	2.588	21.18	7.180	4.145	33.90%	0.3203	22.00%
601.24	Aflatoxin B1, Vicam Aflatest, LC-FI (ppb)	1	1	20.47							
601.91	Aflatoxin B1, Romer AgraQuant Afl B1 (ppb)	1	1	25.08							
601.98	Aflatoxin B1, Other Rapid Test Kit (ppb)	1	1	21.85							
601.99	Aflatoxin B1, Miscellaneous (ppb)	1	1	28.50							
602.23	Aflatoxin B2, LC-MS/MS (ppb)	17	13	2.141	0.8466	2.072	0.7479	0.2593	36.10%	0.2416	22.00%
602.21	Aflatoxin B2, LC-PCD FI (ppb)	4	4	1.734	0.5990	1.734	0.6292	0.3146	36.28%	0.2253	22.00%
602.20	Aflatoxin B2, LC (ppb)	3	3	1.434	0.2647	1.434	0.5230	0.3698	36.47%	0.3467	22.00%
602.24	Aflatoxin B2, Vicam Aflatest, LC-FI (ppb)	1	1	2.380							
603.21	Aflatoxin G1, LC-PCD FI (ppb)	1	1	0.5100							
603.23	Aflatoxin G1, LC-MS/MS (ppb)	15	1								
603.99	Aflatoxin G1, Miscellaneous (ppb)	1	1	4.000							
603.24	Aflatoxin G1, Vicam Aflatest, LC-FI (ppb)	1	1	15.00							
604.21	Aflatoxin G2, LC-PCD FI (ppb)	1	1	0.0200							

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
604.23	Aflatoxin G2, LC-MS/MS (ppb)	15									
604.24	Aflatoxin G2, Vicam Aflatest, LC-FI (ppb)	1		5.000							
610.23	Deoxynivalenol, LC-MS/MS (ppb)	19	19	1,375	287.9	1,350	409.0	117.3	30.29%	86.31	15.29%
610.01	Deoxynivalenol, Neogen Veratox for DON (ppb)	13	13	1,565	499.5	1,667	502.2	174.1	30.12%	170.0	14.81%
610.07	Deoxynivalenol, r-Biopharm Ridascreen FAST DON (ppb)	3	3	1,233	584.5	1,233	374.5	216.2	30.36%	21.33	15.50%
610.20	Deoxynivalenol, LC (ppb)	5	3	1,386	187.1	1,386	419.6	296.7	30.27%	7.333	15.23%
610.98	Deoxynivalenol, Other Rapid Test Kit (ppb)	3	3	2,225	666.6	2,225	664.9	383.9	29.88%	216.7	14.18%
610.99	Deoxynivalenol, Miscellaneous (ppb)	3	3	1,598	286.5	1,598	481.7	278.1	30.15%	147.2	14.91%
610.08	Deoxynivalenol, r-Biopharm Ridascreen FAST DON SC (ppb)	2	2	1,265	495.3						
610.02	Deoxynivalenol, Neogen Veratox for DON HS (ppb)	1	1	1,580							
610.04	Deoxynivalenol, Charm ROSA Fast 5 DON Quant (ppb)	1	1	2,100							
610.05	Deoxynivalenol, Romer AgraQuant DON (ppb)	1	1	1,560							
610.06	Deoxynivalenol, r-Biopharm Ridascreen DON (ppb)	1	1	1,349							
610.25	Deoxynivalenol, GC-MS (ppb)	1	1	970.5							
620.01	Total Fumonisin, Neogen Veratox Fumonisin (ppb)	7	7	5,538	466.1	5,556	1,619	765.1	29.15%	392.9	12.36%
620.23	Total Fumonisin, LC-MS/MS (ppb)	7	7	5,957	842.7	5,957	1,733	818.8	29.09%	443.1	12.23%
620.09	Total Fumonisin, r-Biopharm Ridascreen FAST FUM (ppb)	6	6	6,225	1,108	6,225	1,809	923.2	29.06%	353.5	12.15%
620.02	Total Fumonisin, Neogen Veratox Fumonisin 5/10 (ppb)	4	4	3,857	2,604	3,857	1,135	567.7	29.44%	380.5	13.06%
620.11	Total Fumonisin, Vicam Fumonitest (ppb)	2	2	3,375	176.8						
620.98	Total Fumonisin, Other Rapid Test Kit (ppb)	2	2	7,836	403.8						
620.99	Total Fumonisin, Miscellaneous (ppb)	2	2	7,081	2,413						
620.04	Total Fumonisin, Charm ROSA Fast 5 FUMQ (ppb)	1	1	5,100							
620.07	Total Fumonisin, Romer AgraQuant Total Fumonisin (ppb)	1	1	11,310							
620.20	Total Fumonisin, LC (ppb)	1	1	6,300							
621.23	Fumonsin B1, LC-MS/MS (ppb)	16	16	4,330	931.9	4,258	1,250	390.7	29.36%	315.6	12.86%
621.21	Fumonsin B1, LC-FI OPA der. (ppb)	2	2	2,954	499.9						
621.20	Fumonsin B1, LC (ppb)	1	1	5,938							
622.23	Fumonisin B2, LC-MS/MS (ppb)	16	16	1,272	413.8	1,246	378.2	118.2	30.36%	109.7	15.48%
622.21	Fumonisin B2, LC-FI OPA der. (ppb)	2	2	764.5	161.9						
623.23	Fumonisin B3, LC-MS/MS (ppb)	9	9	482.8	115.6	483.6	150.6	62.76	31.14%	37.12	17.84%
630.23	Ochratoxin A, LC-MS/MS (ppb)	17	17	115.2	34.25	117.0	37.86	11.48	32.36%	11.45	22.00%
630.20	Ochratoxin A, LC (ppb)	5	5	102.3	36.07	102.3	33.24	14.87	32.48%	7.330	22.00%
630.01	Ochratoxin A, Neogen Veratox Ochratoxin (ppb)	3	3	199.9	267.1	199.9	63.78	36.82	31.90%	4.600	20.38%
630.98	Ochratoxin A, Other Rapid Test Kit (ppb)	3	3	97.59	40.73	97.59	31.74	18.33	32.52%	24.06	22.00%
630.05	Ochratoxin A, r-Biopharm Ridascreen FAST Och A (ppb)	2	2	77.24	4.825						
630.99	Ochratoxin A, Miscellaneous (ppb)	2	2	83.52	14.17						
630.03	Ochratoxin A, Romer AgraQuant Ochratoxin (ppb)	1	1	99.77							
630.04	Ochratoxin A, r-Biopharm Ridascreen Ochratoxin A (ppb)	1	1	37.03							
630.21	Ochratoxin A, LC-PCD FI (ppb)	1	1	77.21							
640.23	T-2 Toxin, LC-MS/MS (ppb)	15	15	137.2	24.77	136.0	43.84	14.15	32.23%	14.74	21.60%

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640.98	T-2 Toxin, Other Rapid Test Kit (ppb)	2	2	234.6	11.60						
640.99	T-2 Toxin, Miscellaneous (ppb)	2	2	197.8	37.83						
640.03	T-2 Toxin, Romer AgraQuant T-2 (ppb)	1	1	195.4							
640.05	T-2 Toxin, r-Biopharm Ridascreen FAST T-2 (ppb)	1	1	133.0							
640.21	T-2 Toxin, LC-PCD FI (ppb)	1	1	79.20							
640.25	T-2 Toxin, GC-MS (ppb)	1	1	73.50							
641.23	HT-2 Toxin, LC-MS/MS (ppb)	13	11	102.3	33.17	99.00	32.19	12.13	32.51%	5.054	22.00%
641.21	HT-2 Toxin, LC post-col photochem der. FI (ppb)	1	1	41.75							
642.21	T-2 Toxin + HT-2 Toxin, Neogen Veratox T-2 + HT-2 (ppb)	5	5	370.2	111.3	370.2	116.1	51.93	31.37%	18.53	18.58%
642.98	T-2 Toxin + HT-2 Toxin, Other Rapid Test Kit (ppb)	3	3	257.6	60.12	257.6	81.62	47.12	31.68%	53.20	19.62%
642.99	T-2 Toxin + HT-2 Toxin, Miscellaneous Technique (ppb)	2	2	242.5	111.2						
642.04	T-2 Toxin + HT-2 Toxin, LC-MS (ppb)	1	1	226.0							
650.24	Zearalenone, LC-MS/MS (ppb)	13	13	295.9	97.23	280.3	88.61	30.72	31.61%	36.05	19.37%
650.20	Zearalenone, LC (ppb)	7	7	289.1	83.77	289.1	91.29	43.13	31.58%	27.08	19.28%
650.01	Zearalenone, Neogen Veratox Zearalenone (ppb)	6	6	1,278	2,252	414.4	129.6	66.14	31.27%	120.6	18.26%
650.98	Zearalenone, Other Rapid Test Kit (ppb)	5	5	250.9	140.1	250.9	79.54	35.57	31.70%	14.65	19.70%
650.06	Zearalenone, r-Biopharm Ridascreen FAST ZON (ppb)	3	3	231.3	64.13	231.3	73.48	42.43	31.77%	28.12	19.94%
650.07	Zearalenone, r-Biopharm Ridascreen FAST ZON SC (ppb)	3	3	327.2	79.99	327.2	103.0	59.47	31.48%	36.39	18.93%
650.23	Zearalenone, LC-MS (ppb)	2	2	397.3	161.6						
650.99	Zearalenone, Miscellaneous (ppb)	2	2	373.0	91.28						
650.04	Zearalenone, Romer AgraQuant ZON (ppb)	1	1	396.0							
650.21	Zearalenone, LC-FI, ISO (ppb)	1	1	90.50							

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
Swine Feed
Test Material Code # 202162

Method Precision Report

Methods Reported: 22
Labs Reporting: 58
Issue Date : 05/31/2021

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)	11	9	25.30	6.996	3.137	1.844	3.639	13.45%	7.90%	15.60%	1.973
600.20	Total Aflatoxin, LC (ppb)	5	5	21.46	6.478	6.256	2.380	6.693	29.15%	11.09%	31.19%	2.812
600.24	Total Aflatoxin, LC-MS/MS (ppb)	8	8	23.06	6.314	6.165	1.931	6.460	26.73%	8.37%	28.01%	3.346
601.23	Aflatoxin B1, LC-MS/MS (ppb)	17	17	20.26	5.096	4.904	1.963	5.282	24.20%	9.69%	26.07%	2.691
602.23	Aflatoxin B2, LC-MS/MS (ppb)	17	12	2.141	0.8466	0.6074	0.2133	0.6438	30.75%	10.80%	32.59%	3.017
610.01	Deoxynivalenol, Neogen Veratox for DON (ppb)	13	11	1,565	499.5	147.9	130.1	197.0	8.64%	7.59%	11.50%	1.515
610.23	Deoxynivalenol, LC-MS/MS (ppb)	19	18	1,375	287.9	234.0	58.39	241.2	17.53%	4.37%	18.07%	4.131
620.01	Total Fumonisin, Neogen Veratox Fumonisin (ppb)	7	7	5,538	466.1	392.8	354.8	529.4	7.09%	6.41%	9.56%	1.492
620.09	Total Fumonisin, r-Biopharm Ridascreen FAST FUM (ppb)	6	6	6,225	1,108	1,093	258.5	1,123	17.55%	4.15%	18.03%	4.343
620.23	Total Fumonisin, LC-MS/MS (ppb)	7	6	5,957	842.7	701.1	117.5	710.8	12.19%	2.04%	12.36%	6.049
621.23	Fumonsin B1, LC-MS/MS (ppb)	16	14	4,330	931.9	581.8	155.8	602.3	14.25%	3.82%	14.76%	3.866
622.23	Fumonisin B2, LC-MS/MS (ppb)	16	14	1,272	413.8	274.6	90.28	289.0	23.59%	7.76%	24.84%	3.201
623.23	Fumonisin B3, LC-MS/MS (ppb)	9	8	482.8	115.6	101.2	26.92	104.8	20.08%	5.34%	20.78%	3.891
630.20	Ochratoxin A, LC (ppb)	5	5	102.3	36.07	35.73	7.027	36.41	34.91%	6.87%	35.58%	5.182
630.23	Ochratoxin A, LC-MS/MS (ppb)	17	15	115.2	34.25	26.50	8.599	27.86	22.22%	7.21%	23.36%	3.240
640.23	T-2 Toxin, LC-MS/MS (ppb)	15	14	137.2	24.77	23.03	11.56	25.77	17.03%	8.55%	19.05%	2.230
641.23	HT-2 Toxin, LC-MS/MS (ppb)	13	9	102.3	33.17	23.58	2.649	23.73	25.18%	2.83%	25.33%	8.957
642.21	T-2 Toxin + HT-2 Toxin, Neogen Veratox T-2 + HT-2 (ppb)	5	5	370.2	111.3	110.7	16.30	111.9	29.92%	4.40%	30.24%	6.868
650.01	Zearalenone, Neogen Veratox Zearalenone (ppb)	6	5	1,278	2,252	92.76	55.82	108.3	25.84%	15.55%	30.16%	1.939
650.20	Zearalenone, LC (ppb)	7	7	289.1	83.77	82.08	23.72	85.44	28.39%	8.21%	29.56%	3.601
650.24	Zearalenone, LC-MS/MS (ppb)	13	12	295.9	97.23	41.50	30.56	51.53	15.26%	11.24%	18.95%	1.686
650.98	Zearalenone, Other Rapid Test Kit (ppb)	5	5	250.9	140.1	139.8	13.45	140.5	55.72%	5.36%	55.98%	10.45

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