

**Mycotoxin Contaminants Scheme**

**Sheep/Goat Starter**

**Test Material Code # 202062**

**Method Summary Report**

(Precision Report Follows)

**# Labs Reporting: 48**

**# Methods Reported: 81**

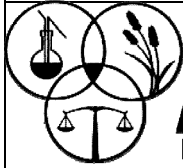
**Issue Date : 05/31/2020**

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)	7	7	77.21	21.49	75.66	24.78	11.71	32.75%	2.743	22.00%
600.20	Total Aflatoxin, LC (ppb)	7	7	105.1	27.20	98.87	32.14	15.19	32.51%	3.199	22.00%
600.12	Total Aflatoxin, r-Biopharm Ridascreen FAST Afl (ppb)	5	4	76.68	3.858	76.68	25.10	12.55	32.74%	2.553	22.00%
600.98	Total Aflatoxin, Other Rapid Test Kit (ppb)	5	4	100.5	42.07	100.5	32.65	16.32	32.50%	2.820	22.00%
600.13	Total Aflatoxin, r-Biopharm Ridascreen FAST Afl SC (ppb)	3	3	73.15	40.06	73.15	23.98	13.84	32.78%	5.450	22.00%
600.24	Total Aflatoxin, LC-MS/MS (ppb)	3	3	138.0	14.78	138.0	44.46	25.67	32.22%	10.37	21.55%
600.14	Total Aflatoxin, Vicam Aflatest (ppb)	2	2	92.00	53.74						
600.22	Total Aflatoxin, Vicam Aflatest, LC-FI (ppb)	2	2	87.92	4.409						
600.08	Total Aflatoxin, Romer AgraQuant Total Afl 4-40ppb (ppb)	1	1	111.1							
600.11	Total Aflatoxin, r-Biopharm Ridascreen Afl total (ppb)	1	1	65.73							
601.23	Aflatoxin B1, LC-MS/MS (ppb)	13	13	91.74	17.83	92.18	30.03	10.41	32.57%	6.480	22.00%
601.98	Aflatoxin B1, Other Rapid Test Kit (ppb)	5	5	78.26	14.22	78.26	25.61	11.45	32.72%	2.766	22.00%
601.20	Aflatoxin B1, LC (ppb)	4	4	95.34	23.92	95.34	31.03	15.51	32.54%	5.197	22.00%
601.24	Aflatoxin B1, Vicam Aflatest, LC-FI (ppb)	3	3	65.25	12.62	65.25	21.45	15.17	32.88%	2.560	22.00%
602.23	Aflatoxin B2, LC-MS/MS (ppb)	13	13	17.26	6.708	16.94	5.778	2.003	34.10%	2.401	22.00%
602.20	Aflatoxin B2, LC (ppb)	4	4	17.13	6.464	17.13	5.842	2.921	34.09%	1.145	22.00%
602.24	Aflatoxin B2, Vicam Aflatest, LC-FI (ppb)	3	3	12.43	3.598	12.43	4.275	2.468	34.39%	0.1967	22.00%
603.23	Aflatoxin G1, LC-MS/MS (ppb)	9	3	1.705	0.1473	1.705	0.6189	0.4466	36.29%	0.3203	22.00%
603.24	Aflatoxin G1, Vicam Aflatest, LC-FI (ppb)	3	2	0.9250	0.2475	0.9250	0.3413			0.0500	22.00%
603.20	Aflatoxin G1, LC (ppb)	1	1	1.240							
603.22	Aflatoxin G1, LC-MS (ppb)	1	1	1.380							
604.24	Aflatoxin G2, Vicam Aflatest, LC-FI (ppb)	3	2	1.200	0.4243	1.200	0.4397			0.0000	22.00%
604.20	Aflatoxin G2, LC (ppb)	1	1	0.3550							
604.23	Aflatoxin G2, LC-MS/MS (ppb)	9	1								
610.23	Deoxynivalenol, LC-MS/MS (ppb)	15	15	1,950	514.0	1,974	591.7	191.0	29.98%	135.6	14.44%
610.01	Deoxynivalenol, Neogen Veratox for DON (ppb)	8	8	2,421	326.4	2,421	721.9	319.0	29.81%	237.5	14.00%
610.98	Deoxynivalenol, Other Rapid Test Kit (ppb)	7	6	2,227	273.7	2,182	652.4	332.9	29.90%	180.1	14.22%
610.07	Deoxynivalenol, r-Biopharm Ridascreen FAST DON (ppb)	5	5	2,486	333.1	2,486	740.5	331.2	29.79%	174.0	13.95%
610.20	Deoxynivalenol, LC (ppb)	3	3	1,798	523.0	1,798	540.3	311.9	30.05%	141.3	14.65%

Method Code	Analyte and Method	Total # Labs Submitting	# Labs in Robust Calcs	Raw Mean	Raw SD	Assigned Value Robust Mean	Revised Horwitz SD (σfp)	Uncertainty (U) Robust	% RSD - Robust	Average Range (R-bar)	Thompson Horwitz %RSD
610.08	Deoxynivalenol, r-Biopharm Ridascreen FAST DON SC (ppb)	2	2	2,715	1,025						
610.03	Deoxynivalenol, Charm ROSA DON Quant (ppb)	1	1	2,000							
610.05	Deoxynivalenol, Romer AgraQuant DON (ppb)	1	1	2,775							
610.06	Deoxynivalenol, r-Biopharm Ridascreen DON (ppb)	1	1	2,587							
610.25	Deoxynivalenol, GC-MS (ppb)	1	1	3,546							
610.99	Deoxynivalenol, Miscellaneous (ppb)	2	1	1,640							
620.09	Total Fumonisin, r-Biopharm Ridascreen FAST FUM (ppb)	7	7	4,575	1,369	<b>4,403</b>	1,291	610.2	29.33%	368.6	12.80%
620.01	Total Fumonisin, Neogen Veratox Fumonisin (ppb)	4	4	5,313	807.7	5,313	1,550	775.2	29.19%	190.0	12.44%
620.23	Total Fumonisin, LC-MS/MS (ppb)	4	4	4,958	475.3	4,958	1,450	724.8	29.24%	364.0	12.57%
620.98	Total Fumonisin, Other Rapid Test Kit (ppb)	4	4	5,465	793.9	5,465	1,594	796.9	29.16%	478.3	12.39%
620.02	Total Fumonisin, Neogen Veratox Fumonisin 5/10 (ppb)	3	3	5,540	255.3	5,540	1,615	932.4	29.15%	406.7	12.36%
620.11	Total Fumonisin, Vicam Fumonitest (ppb)	3	3	3,783	1,198	3,783	1,114	643.4	29.46%	566.7	13.09%
620.07	Total Fumonisin, Romer AgraQuant Total Fumonisin (ppb)	2	2	6,470	502.1						
620.05	Total Fumonisin, Charm ROSA FUMQ MeOH (ppb)	1	1	2,800							
621.23	Fumonsin B1, LC-MS/MS (ppb)	11	11	3,263	1,226	<b>3,081</b>	912.4	343.9	29.62%	212.4	13.50%
621.20	Fumonsin B1, LC (ppb)	3	3	4,715	2,048	4,715	1,381	797.1	29.28%	129.5	12.67%
621.21	Fumonsin B1, LC-FI OPA der. (ppb)	1	1	1,900							
621.22	Fumonsin B1, LC-MS (ppb)	1	1	3,321							
622.23	Fumonisin B2, LC-MS/MS (ppb)	11	11	978.6	356.0	<b>948.7</b>	290.1	109.3	30.58%	107.2	16.12%
622.20	Fumonisin B2, LC (ppb)	2	2	1,105	148.3						
622.21	Fumonisin B2, LC-FI OPA der. (ppb)	1	1	500.0							
622.22	Fumonisin B2, LC-MS (ppb)	1	1	875.5							
623.23	Fumonisin B3, LC-MS/MS (ppb)	3	3	449.8	5.682	449.8	140.4	81.03	31.20%	15.96	18.04%
623.22	Fumonisin B3, LC-MS (ppb)	1	1	378.0							
630.23	Ochratoxin A, LC-MS/MS (ppb)	14	14	384.9	87.99	<b>384.4</b>	120.5	40.24	31.34%	59.21	18.47%
630.20	Ochratoxin A, LC (ppb)	6	6	254.0	117.7	<b>238.7</b>	75.76	38.66	31.75%	29.33	19.85%
630.98	Ochratoxin A, Other Rapid Test Kit (ppb)	5	4	282.9	36.04	282.9	89.40	44.70	31.60%	4.286	19.34%
630.05	Ochratoxin A, r-Biopharm Ridascreen FAST Och A (ppb)	3	3	239.7	115.7	239.7	76.09	43.93	31.74%	4.840	19.83%
630.01	Ochratoxin A, Neogen Veratox Ochratoxin (ppb)	2	2	166.8	190.8						
630.03	Ochratoxin A, Romer AgraQuant Ochratoxin (ppb)	2	2	330.5	30.41						
630.04	Ochratoxin A, r-Biopharm Ridascreen Ochratoxin A (ppb)	1	1	312.5							
640.23	T-2 Toxin, LC-MS/MS (ppb)	13	13	257.9	56.93	<b>255.1</b>	80.84	28.03	31.69%	27.28	19.65%
640.05	T-2 Toxin, r-Biopharm Ridascreen FAST T-2 (ppb)	3	3	287.1	76.27	287.1	90.68	52.36	31.59%	6.984	19.30%
640.98	T-2 Toxin, Other Rapid Test Kit (ppb)	4	3	201.6	46.20	201.6	64.28	37.11	31.89%	7.467	20.36%
640.03	T-2 Toxin, Romer AgraQuant T-2 (ppb)	2	2	327.6	44.55						
640.04	T-2 Toxin, r-Biopharm Ridascreen T-2 (ppb)	1	1	279.6							
640.25	T-2 Toxin, GC-MS (ppb)	1	1	98.50							
641.23	HT-2 Toxin, LC-MS/MS (ppb)	8	8	234.6	56.31	<b>234.1</b>	74.37	32.87	31.76%	12.85	19.90%
642.21	T-2 Toxin + HT-2 Toxin, Neogen Veratox T-2 + HT-2 (ppb)	5	5	656.1	273.2	656.1	202.6	90.62	30.89%	35.15	17.04%
642.98	T-2 Toxin + HT-2 Toxin, Other Rapid Test Kit (ppb)	4	4	479.1	79.00	479.1	149.2	74.62	31.15%	46.81	17.87%

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
642.99	T-2 Toxin + HT-2 Toxin, Miscellaneous Technique (ppb)	2	2	593.6	39.53						
642.03	T-2 Toxin + HT-2 Toxin, LC post-col photochem der. FI (ppb)	1	1	242.2							
650.24	Zearalenone, LC-MS/MS (ppb)	14	<b>14</b>	360.2	96.92	<b>382.0</b>	119.7	40.00	31.34%	31.92	18.49%
650.98	Zearalenone, Other Rapid Test Kit (ppb)	6	<b>6</b>	450.3	39.86	<b>450.3</b>	140.5	71.70	31.20%	23.11	18.04%
650.06	Zearalenone, r-Biopharm Ridascreen FAST ZON (ppb)	5	5	326.9	91.63	326.9	102.9	46.01	31.48%	33.56	18.93%
650.20	Zearalenone, LC (ppb)	5	5	341.7	124.8	341.7	107.4	48.04	31.44%	20.94	18.80%
650.01	Zearalenone, Neogen Veratox Zearalenone (ppb)	4	4	371.5	53.83	371.5	116.5	58.26	31.37%	31.43	18.57%
650.07	Zearalenone, r-Biopharm Ridascreen FAST ZON SC (ppb)	3	3	305.8	93.25	305.8	96.42	55.67	31.53%	30.98	19.12%
650.02	Zearalenone, Charm ROSA Zearalenone Quant - MeOH (ppb)	1	1	268.0							
650.04	Zearalenone, Romer AgraQuant ZON (ppb)	1	1	568.5							
650.23	Zearalenone, LC-MS (ppb)	1	1	475.5							
650.99	Zearalenone, Miscellaneous (ppb)	1	1	537.5							

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.



**AAFCO**  
Proficiency Testing Program



**Mycotoxin Contaminants Scheme**  
**Sheep/Goat Starter**  
**Test Material Code # 202062**

**Method Precision Report**

**# Methods Reported: 10**  
**# Labs Reporting: 48**  
**Issue Date : 05/31/2020**

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 %rds	Reproducibility %RSD	sR/sr
601.23	Aflatoxin B1, LC-MS/MS (ppb)	13	13	91.74	17.83	17.40	5.479	18.24	18.97%	5.97%	19.89%	3.330
602.23	Aflatoxin B2, LC-MS/MS (ppb)	13	13	17.26	6.708	6.517	2.250	6.894	37.76%	13.04%	39.94%	3.064
610.01	Deoxynivalenol, Neogen Veratox for DON (ppb)	8	8	2,421	326.4	296.1	194.0	354.0	12.23%	8.01%	14.62%	1.825
610.23	Deoxynivalenol, LC-MS/MS (ppb)	15	14	1,950	514.0	495.5	112.2	508.1	26.01%	5.89%	26.67%	4.529
621.23	Fumonsin B1, LC-MS/MS (ppb)	11	10	3,263	1,226	667.6	170.5	689.0	22.65%	5.78%	23.37%	4.041
622.23	Fumonsin B2, LC-MS/MS (ppb)	11	9	978.6	356.0	238.2	69.57	248.2	27.50%	8.03%	28.64%	3.567
630.23	Ochratoxin A, LC-MS/MS (ppb)	14	13	384.9	87.99	85.30	41.07	94.67	22.41%	10.79%	24.87%	2.305
640.23	T-2 Toxin, LC-MS/MS (ppb)	13	13	257.9	56.93	54.44	23.54	59.31	21.11%	9.12%	22.99%	2.520
641.23	HT-2 Toxin, LC-MS/MS (ppb)	8	8	234.6	56.31	55.45	13.83	57.15	23.63%	5.90%	24.36%	4.131
650.24	Zearalenone, LC-MS/MS (ppb)	14	13	360.2	96.92	65.11	31.82	72.47	17.17%	8.39%	19.12%	2.277

Notes: Precision Calculations provided for methods with 8 or more labs used in calculations.