



AAFCO
Proficiency Testing Program



Mycotoxin Contaminants Scheme
All Tests for Sample # 201963
DDGS

Number of Labs Participating: 54
Issue Date: 08/31/2019

Lab #	Code	Analyte	Method	Result 1	Result 2	Detect ?		LOD	Probability of Detection	Z Score	Assigned Value	AAFCO σ ffp
						D1	D2					
2096	600.01	Total Aflatoxin (ppb)	Neogen Veratox Aflatoxin	10.4	12.7	Y	Y			-0.82	16.05	5.483
0208	600.01	Total Aflatoxin (ppb)	Neogen Veratox Aflatoxin	15.9	16.5	Y	Y			0.03	16.05	5.483
0590	600.01	Total Aflatoxin (ppb)	Neogen Veratox Aflatoxin	15.5	19.4	Y	Y			0.25	16.05	5.483
2113	600.01	Total Aflatoxin (ppb)	Neogen Veratox Aflatoxin	20.3	17.2	Y	Y			0.49	16.05	5.483
0297	600.01	Total Aflatoxin (ppb)	Neogen Veratox Aflatoxin	21.2	22.6	Y	Y			1.07	16.05	5.483
2098	600.01	Total Aflatoxin (ppb)	Neogen Veratox Aflatoxin	22.3	24.3	Y	Y			1.32	16.05	5.483
0554	600.01	Total Aflatoxin (ppb)	Neogen Veratox Aflatoxin	25.2	28.7	Y	Y			1.99	16.05	5.483
0529	600.01	Total Aflatoxin (ppb)	Neogen Veratox Aflatoxin	25.3	37	Y	Y			2.75	16.05	5.483
0034	600.01	Total Aflatoxin (ppb)	Neogen Veratox Aflatoxin	32.3	31.7	Y	Y			2.91	16.05	5.483
0027	600.01	Total Aflatoxin (ppb)	Neogen Veratox Aflatoxin	35.7	32.2	Y	Y			3.26	16.05	5.483
0511	600.01	Total Aflatoxin (ppb)	Neogen Veratox Aflatoxin	46.9	42.7	Y	Y			5.24	16.05	5.483
2022	600.08	Total Aflatoxin (ppb)	Romer AgraQuant Total Afl 4-40ppb	21.36	21.3	Y	Y			0.96	16.05	5.483
0674	600.10	Total Aflatoxin (ppb)	TLC	[12770]	[12770]	Y	Y			2326.10	16.05	5.483
2066	600.12	Total Aflatoxin (ppb)	r-Biopharm Ridascreen FAST Afl	7.56	7.92	Y	Y			-1.52	16.05	5.483
0202	600.12	Total Aflatoxin (ppb)	r-Biopharm Ridascreen FAST Afl	11.477	12.686	Y	Y			-0.72	16.05	5.483
2129	600.12	Total Aflatoxin (ppb)	r-Biopharm Ridascreen FAST Afl	14.184	14.367	Y	Y			-0.32	16.05	5.483
0656	600.12	Total Aflatoxin (ppb)	r-Biopharm Ridascreen FAST Afl	15.61	15.61	Y	Y			-0.08	16.05	5.483
2226	600.12	Total Aflatoxin (ppb)	r-Biopharm Ridascreen FAST Afl	16.456	15.684	Y	Y			0.00	16.05	5.483
0590	600.12	Total Aflatoxin (ppb)	r-Biopharm Ridascreen FAST Afl	23.3	14.9	Y	Y			0.56	16.05	5.483
2022	600.12	Total Aflatoxin (ppb)	r-Biopharm Ridascreen FAST Afl	19.63	21.29	Y	Y			0.80	16.05	5.483
0035	600.13	Total Aflatoxin (ppb)	r-Biopharm Ridascreen FAST Afl SC	7.61	7.41	Y	Y			-1.56	16.05	5.483
0066	600.13	Total Aflatoxin (ppb)	r-Biopharm Ridascreen FAST Afl SC	7.95	8.92	Y	Y			-1.39	16.05	5.483
0407	600.13	Total Aflatoxin (ppb)	r-Biopharm Ridascreen FAST Afl SC	13.4	14.01	Y	Y			-0.43	16.05	5.483
0004	600.14	Total Aflatoxin (ppb)	Vicam Aflatest	3.9	5.4	Y	Y			-2.08	16.05	5.483
2268	600.14	Total Aflatoxin (ppb)	Vicam Aflatest	8.6	9.7	Y	Y			-1.26	16.05	5.483
2066	600.20	Total Aflatoxin (ppb)	LC	3.68	3.41	Y	Y			-2.28	16.05	5.483
0226	600.20	Total Aflatoxin (ppb)	LC	16.3	16.4	Y	Y			0.05	16.05	5.483
0563	600.20	Total Aflatoxin (ppb)	LC	16.93	19.34	Y	Y			0.38	16.05	5.483
2192	600.20	Total Aflatoxin (ppb)	LC	18.54	17.95	Y	Y			0.40	16.05	5.483
2244	600.20	Total Aflatoxin (ppb)	LC	18.655	18.326	Y	Y			0.44	16.05	5.483
0010	600.20	Total Aflatoxin (ppb)	LC	21	19	Y	Y			0.72	16.05	5.483

Lab #	Code	Analyte	Method	Result 1	Result 2	Detect ?		LOD	Probability of Detection	Z Score	Assigned Value	AAFCO σ ffp
						D1	D2					
0098	600.21	Total Aflatoxin (ppb)	LC-PCD FI	15.14	15.42	Y	Y			-0.14	16.05	5.483
0013	600.22	Total Aflatoxin (ppb)	Vicam Aflatest, LC-FI	12.1	12.5	Y	Y			-0.68	16.05	5.483
2033	600.24	Total Aflatoxin (ppb)	LC-MS/MS	3.4	3.5	Y	Y			-2.30	16.05	5.483
0619	600.24	Total Aflatoxin (ppb)	LC-MS/MS	9.51	13.2	Y	Y			-0.86	16.05	5.483
0160	600.24	Total Aflatoxin (ppb)	LC-MS/MS	10.2	12.8	Y	Y			-0.83	16.05	5.483
0032	600.24	Total Aflatoxin (ppb)	LC-MS/MS	20.9	20.5	Y	Y			0.85	16.05	5.483
2050	600.98	Total Aflatoxin (ppb)	Other Rapid Test Kit	8.8	8.9	Y	Y			-1.31	16.05	5.483
0142	600.98	Total Aflatoxin (ppb)	Other Rapid Test Kit	9.5	8.6	Y	Y			-1.28	16.05	5.483
0870	600.98	Total Aflatoxin (ppb)	Other Rapid Test Kit	12.6	11	Y	Y			-0.78	16.05	5.483
2169	600.98	Total Aflatoxin (ppb)	Other Rapid Test Kit	12	11.9	Y	Y			-0.75	16.05	5.483
2244	600.98	Total Aflatoxin (ppb)	Other Rapid Test Kit	18.502	18.71	Y	Y			0.47	16.05	5.483
2269	600.98	Total Aflatoxin (ppb)	Other Rapid Test Kit	26	26.7	Y	Y			1.88	16.05	5.483
2244	601.20	AB1 (ppb)	LC	16.302	16.046	Y	Y			0.19	15.17	5.188
2192	601.20	AB1 (ppb)	LC	16.33	16.43	Y	Y			0.23	15.17	5.188
0563	601.20	AB1 (ppb)	LC	16.93	19.34	Y	Y			0.57	15.17	5.188
2066	601.20	AB1 (ppb)	LC	[0]	[0]	Y	Y				15.17	5.188
0868	601.21	AB1 (ppb)	LC-PCD FI	12.3	12.9	Y	Y			-0.49	15.17	5.188
0098	601.21	AB1 (ppb)	LC-PCD FI	13.97	14.16	Y	Y			-0.21	15.17	5.188
0910	601.21	AB1 (ppb)	LC-PCD FI	17.62	17.18	Y	Y			0.43	15.17	5.188
0043	601.22	AB1 (ppb)	LC-MS	15.2	14.29	Y	Y			-0.08	15.17	5.188
2033	601.23	AB1 (ppb)	LC-MS/MS	3	3.2	Y	Y			-2.33	15.17	5.188
0160	601.23	AB1 (ppb)	LC-MS/MS	10.2	11.6	Y	Y			-0.82	15.17	5.188
0870	601.23	AB1 (ppb)	LC-MS/MS	10.88	11.22	Y	Y			-0.79	15.17	5.188
0619	601.23	AB1 (ppb)	LC-MS/MS	9.51	13.2	Y	Y			-0.73	15.17	5.188
0028	601.23	AB1 (ppb)	LC-MS/MS	9.3	15.26	Y	Y			-0.56	15.17	5.188
0918	601.23	AB1 (ppb)	LC-MS/MS	12.3	12.3	Y	Y			-0.55	15.17	5.188
0964	601.23	AB1 (ppb)	LC-MS/MS	18.38	21.38	Y	Y			0.91	15.17	5.188
0032	601.23	AB1 (ppb)	LC-MS/MS	20.9	20.5	Y	Y			1.07	15.17	5.188
2207	601.23	AB1 (ppb)	LC-MS/MS	22	22	Y	Y			1.32	15.17	5.188
0553	601.23	AB1 (ppb)	LC-MS/MS	24.24	23.44	Y	Y			1.67	15.17	5.188
0009	601.23	AB1 (ppb)	LC-MS/MS	28.18	23	Y	Y			2.01	15.17	5.188
2053	601.24	AB1 (ppb)	Vicam Aflatest, LC-FI	9.6	10.3	Y	Y			-1.01	15.17	5.188
0013	601.24	AB1 (ppb)	Vicam Aflatest, LC-FI	11.3	11.6	Y	Y			-0.72	15.17	5.188
0226	601.24	AB1 (ppb)	Vicam Aflatest, LC-FI	15.2	15.1	Y	Y			0.00	15.17	5.188
0868	601.98	AB1 (ppb)	Other Rapid Test Kit	10.2	10.7	Y	Y			-0.91	15.17	5.188
0878	601.98	AB1 (ppb)	Other Rapid Test Kit	14.8	15.4	Y	Y			-0.01	15.17	5.188
2244	601.98	AB1 (ppb)	Other Rapid Test Kit	16.184	16.53	Y	Y			0.23	15.17	5.188
2239	601.98	AB1 (ppb)	Other Rapid Test Kit	18.6	17.8	Y	Y			0.58	15.17	5.188
2244	602.20	AB2 (ppb)	LC	1.598	1.57	Y	Y			0.61	1.294	0.473
2192	602.20	AB2 (ppb)	LC	2.21	1.52	Y	Y			1.21	1.294	0.473
2066	602.20	AB2 (ppb)	LC	[0]	[0]	Y	Y				1.294	0.473
0098	602.21	AB2 (ppb)	LC-PCD FI	1.17	1.26	Y	Y			-0.17	1.294	0.473

Lab #	Code	Analyte	Method	Result 1	Result 2	Detect ?		LOD	Probability of Detection	Z Score	Assigned Value	AAFCO σ ffp
						D1	D2					
0910	602.21	AB2 (ppb)	LC-PCD FI	1.25	1.44	Y	Y			0.11	1.294	0.473
2033	602.23	AB2 (ppb)	LC-MS/MS	0.4	0.3	Y	Y			-2.00	1.294	0.473
0870	602.23	AB2 (ppb)	LC-MS/MS	0.9	0.86	Y	Y			-0.88	1.294	0.473
0160	602.23	AB2 (ppb)	LC-MS/MS		1.15	N	Y	1	73.30%	-0.30	1.294	0.473
0964	602.23	AB2 (ppb)	LC-MS/MS	1.55	2.07	Y	Y			1.09	1.294	0.473
0009	602.23	AB2 (ppb)	LC-MS/MS	2.779	2.785	Y	Y			3.14	1.294	0.473
0032	602.23	AB2 (ppb)	LC-MS/MS	[0]	[0]	Y	Y				1.294	0.473
0619	602.23	AB2 (ppb)	LC-MS/MS	[0]	[0]	Y	Y				1.294	0.473
0918	602.23	AB2 (ppb)	LC-MS/MS			N	N	1	73.30%	NoZ	1.294	0.473
2207	602.23	AB2 (ppb)	LC-MS/MS			N	N	1	73.30%	NoZ	1.294	0.473
0013	602.24	AB2 (ppb)	Vicam Aflatest, LC-FI	0.8	0.9	Y	Y			-0.94	1.294	0.473
2053	602.24	AB2 (ppb)	Vicam Aflatest, LC-FI	0.9	0.9	Y	Y			-0.83	1.294	0.473
0226	602.24	AB2 (ppb)	Vicam Aflatest, LC-FI	1.1	1.3	Y	Y			-0.20	1.294	0.473
2066	603.20	AG1 (ppb)	LC	[0]	[0]	Y	Y				ND	
0098	603.21	AG1 (ppb)	LC-PCD FI			N	N	15			ND	
0910	603.21	AG1 (ppb)	LC-PCD FI	0.17	0.23	Y	Y				ND	
0009	603.23	AG1 (ppb)	LC-MS/MS			N	N	0.81			ND	
0032	603.23	AG1 (ppb)	LC-MS/MS	[0]	[0]	Y	Y				ND	
0160	603.23	AG1 (ppb)	LC-MS/MS			N	N	1			ND	
0619	603.23	AG1 (ppb)	LC-MS/MS	[0]	[0]	Y	Y				ND	
0870	603.23	AG1 (ppb)	LC-MS/MS			N	N	0.6			ND	
0918	603.23	AG1 (ppb)	LC-MS/MS			N	N	1			ND	
0964	603.23	AG1 (ppb)	LC-MS/MS			N	N	1			ND	
2033	603.23	AG1 (ppb)	LC-MS/MS			N	N	1			ND	
2207	603.23	AG1 (ppb)	LC-MS/MS			N	N	1			ND	
0013	603.24	AG1 (ppb)	Vicam Aflatest, LC-FI			N	N	1.7			ND	
0226	603.24	AG1 (ppb)	Vicam Aflatest, LC-FI			N	N	2			ND	
2053	603.24	AG1 (ppb)	Vicam Aflatest, LC-FI			N	N	0.1			ND	
2066	604.20	AG2 (ppb)	LC	3.68	3.41	Y	Y				ND	
0098	604.21	AG2 (ppb)	LC-PCD FI			N	N	5			ND	
0009	604.23	AG2 (ppb)	LC-MS/MS			N	N	0.81			ND	
0032	604.23	AG2 (ppb)	LC-MS/MS	[0]	[0]	Y	Y				ND	
0160	604.23	AG2 (ppb)	LC-MS/MS			N	N	1			ND	
0619	604.23	AG2 (ppb)	LC-MS/MS	[0]	[0]	Y	Y				ND	
0870	604.23	AG2 (ppb)	LC-MS/MS			N	N	1			ND	
0918	604.23	AG2 (ppb)	LC-MS/MS			N	N	1			ND	
0964	604.23	AG2 (ppb)	LC-MS/MS			N	N	1			ND	
2033	604.23	AG2 (ppb)	LC-MS/MS			N	N	1			ND	
2207	604.23	AG2 (ppb)	LC-MS/MS			N	N	1			ND	
0013	604.24	AG2 (ppb)	Vicam Aflatest, LC-FI			N	N	0.5			ND	
0226	604.24	AG2 (ppb)	Vicam Aflatest, LC-FI			N	N	1			ND	
2053	604.24	AG2 (ppb)	Vicam Aflatest, LC-FI			N	N	0.1			ND	

Lab #	Code	Analyte	Method	Result 1	Result 2	Detect ?		LOD	Probability of Detection	Z Score	Assigned Value	AAFCO σ ffp
						D1	D2					
0297	610.01	Deoxynivalenol (ppb)	Neogen Veratox for DON	994	990	Y	Y			-3.13	9,673	2,778
2098	610.01	Deoxynivalenol (ppb)	Neogen Veratox for DON	5220	5860	Y	Y			-1.49	9,673	2,778
2192	610.01	Deoxynivalenol (ppb)	Neogen Veratox for DON	8560	8770	Y	Y			-0.36	9,673	2,778
0529	610.01	Deoxynivalenol (ppb)	Neogen Veratox for DON	9100	8400	Y	Y			-0.33	9,673	2,778
0027	610.01	Deoxynivalenol (ppb)	Neogen Veratox for DON	9200	9600	Y	Y			-0.10	9,673	2,778
2113	610.01	Deoxynivalenol (ppb)	Neogen Veratox for DON	11000	9600	Y	Y			0.23	9,673	2,778
0870	610.01	Deoxynivalenol (ppb)	Neogen Veratox for DON	10600	10800	Y	Y			0.37	9,673	2,778
0511	610.01	Deoxynivalenol (ppb)	Neogen Veratox for DON	11800	11000	Y	Y			0.62	9,673	2,778
0208	610.01	Deoxynivalenol (ppb)	Neogen Veratox for DON	11200	11800	Y	Y			0.66	9,673	2,778
0554	610.01	Deoxynivalenol (ppb)	Neogen Veratox for DON	[79000]	[76000]	Y	Y			24.42	9,673	2,778
0674	610.03	Deoxynivalenol (ppb)	Charm ROSA DON Quant	5800	5800	Y	Y			-1.39	9,673	2,778
2022	610.05	Deoxynivalenol (ppb)	Romer AgraQuant DON	12350	12300	Y	Y			0.95	9,673	2,778
0202	610.06	Deoxynivalenol (ppb)	r-Biopharm Ridascreen DON	10822.31	11399.88	Y	Y			0.52	9,673	2,778
0656	610.07	Deoxynivalenol (ppb)	r-Biopharm Ridascreen FAST DON	6702.7	6702.7	Y	Y			-1.07	9,673	2,778
0009	610.07	Deoxynivalenol (ppb)	r-Biopharm Ridascreen FAST DON	10800	10230	Y	Y			0.30	9,673	2,778
2129	610.07	Deoxynivalenol (ppb)	r-Biopharm Ridascreen FAST DON	10662	10936	Y	Y			0.41	9,673	2,778
0590	610.07	Deoxynivalenol (ppb)	r-Biopharm Ridascreen FAST DON	13760	10430	Y	Y			0.87	9,673	2,778
2022	610.07	Deoxynivalenol (ppb)	r-Biopharm Ridascreen FAST DON	13240	12820	Y	Y			1.21	9,673	2,778
0407	610.07	Deoxynivalenol (ppb)	r-Biopharm Ridascreen FAST DON	14146	14532	Y	Y			1.68	9,673	2,778
0066	610.08	Deoxynivalenol (ppb)	r-Biopharm Ridascreen FAST DON SC	9230	11020	Y	Y			0.16	9,673	2,778
0035	610.08	Deoxynivalenol (ppb)	r-Biopharm Ridascreen FAST DON SC	10792	10224	Y	Y			0.30	9,673	2,778
0226	610.09	Deoxynivalenol (ppb)	Vicam DON-V	9300	10900	Y	Y			0.15	9,673	2,778
0098	610.20	Deoxynivalenol (ppb)	LC	9100	10000	Y	Y			-0.04	9,673	2,778
0868	610.20	Deoxynivalenol (ppb)	LC	9296	10077	Y	Y			0.00	9,673	2,778
0910	610.20	Deoxynivalenol (ppb)	LC	9800	10720	Y	Y			0.21	9,673	2,778
2244	610.20	Deoxynivalenol (ppb)	LC	11855	11894.6	Y	Y			0.79	9,673	2,778
2268	610.22	Deoxynivalenol (ppb)	LC-MS	2367	2295	Y	Y			-2.64	9,673	2,778
2053	610.23	Deoxynivalenol (ppb)	LC-MS/MS	2525	2593	Y	Y			-2.56	9,673	2,778
0032	610.23	Deoxynivalenol (ppb)	LC-MS/MS	5310	5550	Y	Y			-1.53	9,673	2,778
0553	610.23	Deoxynivalenol (ppb)	LC-MS/MS	7774.62	7287.84	Y	Y			-0.77	9,673	2,778
0028	610.23	Deoxynivalenol (ppb)	LC-MS/MS	8834.1	9573.1	Y	Y			-0.17	9,673	2,778
2207	610.23	Deoxynivalenol (ppb)	LC-MS/MS	9100	9450	Y	Y			-0.14	9,673	2,778
2033	610.23	Deoxynivalenol (ppb)	LC-MS/MS	9900	9900	Y	Y			0.08	9,673	2,778
0010	610.23	Deoxynivalenol (ppb)	LC-MS/MS	10600	10400	Y	Y			0.30	9,673	2,778
0870	610.23	Deoxynivalenol (ppb)	LC-MS/MS	10900	10500	Y	Y			0.37	9,673	2,778
0964	610.23	Deoxynivalenol (ppb)	LC-MS/MS	11444.63	11408.23	Y	Y			0.63	9,673	2,778
0918	610.23	Deoxynivalenol (ppb)	LC-MS/MS	11111.92	12061.78	Y	Y			0.69	9,673	2,778
0160	610.23	Deoxynivalenol (ppb)	LC-MS/MS	11300	12100	Y	Y			0.73	9,673	2,778
0619	610.23	Deoxynivalenol (ppb)	LC-MS/MS	11844	13284	Y	Y			1.04	9,673	2,778
2155	610.23	Deoxynivalenol (ppb)	LC-MS/MS	12510	12790	Y	Y			1.07	9,673	2,778
0563	610.25	Deoxynivalenol (ppb)	GC-MS	5024	4221	Y	Y			-1.82	9,673	2,778
0142	610.98	Deoxynivalenol (ppb)	Other Rapid Test Kit	6300	6500	Y	Y			-1.18	9,673	2,778

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						D1	D2					
2169	610.98	Deoxynivalenol (ppb)	Other Rapid Test Kit	6600	6600	Y	Y			-1.11	9,673	2,778
2239	610.98	Deoxynivalenol (ppb)	Other Rapid Test Kit	8018	7960	Y	Y			-0.61	9,673	2,778
0868	610.98	Deoxynivalenol (ppb)	Other Rapid Test Kit	9260	9500	Y	Y			-0.11	9,673	2,778
2050	610.98	Deoxynivalenol (ppb)	Other Rapid Test Kit	9300	9500	Y	Y			-0.10	9,673	2,778
2244	610.98	Deoxynivalenol (ppb)	Other Rapid Test Kit	10704.48	10905.62	Y	Y			0.41	9,673	2,778
2269	610.98	Deoxynivalenol (ppb)	Other Rapid Test Kit	10875	10900	Y	Y			0.44	9,673	2,778
0878	610.98	Deoxynivalenol (ppb)	Other Rapid Test Kit	11830	11651	Y	Y			0.74	9,673	2,778
0554	620.01	Total Fumonisin (ppb)	Neogen Veratox Fumonisin	400	900	Y	Y			-2.38	2,245	670.7
0042	620.01	Total Fumonisin (ppb)	Neogen Veratox Fumonisin	1700	1500	Y	Y			-0.96	2,245	670.7
0511	620.01	Total Fumonisin (ppb)	Neogen Veratox Fumonisin	1900	2300	Y	Y			-0.22	2,245	670.7
2098	620.01	Total Fumonisin (ppb)	Neogen Veratox Fumonisin	2290	2250	Y	Y			0.04	2,245	670.7
0027	620.01	Total Fumonisin (ppb)	Neogen Veratox Fumonisin	2430	2320	Y	Y			0.19	2,245	670.7
2113	620.01	Total Fumonisin (ppb)	Neogen Veratox Fumonisin	3000	2800	Y	Y			0.98	2,245	670.7
0870	620.02	Total Fumonisin (ppb)	Neogen Veratox Fumonisin 5/10	2390	2270	Y	Y			0.13	2,245	670.7
0529	620.02	Total Fumonisin (ppb)	Neogen Veratox Fumonisin 5/10	2400	2600	Y	Y			0.38	2,245	670.7
0674	620.05	Total Fumonisin (ppb)	Charm ROSA FUMQ MeOH	3100	3100	Y	Y			1.27	2,245	670.7
0868	620.07	Total Fumonisin (ppb)	Romer AgraQuant Total Fumonisin	2360	2340	Y	Y			0.16	2,245	670.7
2022	620.07	Total Fumonisin (ppb)	Romer AgraQuant Total Fumonisin	2440	2470	Y	Y			0.31	2,245	670.7
2066	620.08	Total Fumonisin (ppb)	r-Biopharm Ridascreen Fumonisin	1630	1680	Y	Y			-0.88	2,245	670.7
0656	620.09	Total Fumonisin (ppb)	r-Biopharm Ridascreen FAST FUM	48.6	48.6	Y	Y			-3.27	2,245	670.7
2226	620.09	Total Fumonisin (ppb)	r-Biopharm Ridascreen FAST FUM	1235	1189	Y	Y			-1.54	2,245	670.7
2129	620.09	Total Fumonisin (ppb)	r-Biopharm Ridascreen FAST FUM	2128	1981	Y	Y			-0.28	2,245	670.7
0202	620.09	Total Fumonisin (ppb)	r-Biopharm Ridascreen FAST FUM	2026.738	2226.404	Y	Y			-0.18	2,245	670.7
0407	620.09	Total Fumonisin (ppb)	r-Biopharm Ridascreen FAST FUM	2672	2690	Y	Y			0.65	2,245	670.7
0035	620.09	Total Fumonisin (ppb)	r-Biopharm Ridascreen FAST FUM	2990	3093	Y	Y			1.19	2,245	670.7
2022	620.09	Total Fumonisin (ppb)	r-Biopharm Ridascreen FAST FUM	3140	3110	Y	Y			1.31	2,245	670.7
0066	620.09	Total Fumonisin (ppb)	r-Biopharm Ridascreen FAST FUM	2850	3470	Y	Y			1.36	2,245	670.7
0098	620.11	Total Fumonisin (ppb)	Vicam Fumonitest	700	1100	Y	Y			-2.01	2,245	670.7
2268	620.11	Total Fumonisin (ppb)	Vicam Fumonitest	2400	3000	Y	Y			0.68	2,245	670.7
0563	620.20	Total Fumonisin (ppb)	LC	2309.3	2343.4	Y	Y			0.12	2,245	670.7
0619	620.23	Total Fumonisin (ppb)	LC-MS/MS	1601	1506	Y	Y			-1.03	2,245	670.7
0032	620.23	Total Fumonisin (ppb)	LC-MS/MS	1833	1717	Y	Y			-0.70	2,245	670.7
2033	620.23	Total Fumonisin (ppb)	LC-MS/MS	1930	1901	Y	Y			-0.49	2,245	670.7
2244	620.23	Total Fumonisin (ppb)	LC-MS/MS	1967.936	2015.172	Y	Y			-0.38	2,245	670.7
0010	620.23	Total Fumonisin (ppb)	LC-MS/MS	2000	2000	Y	Y			-0.37	2,245	670.7
0160	620.23	Total Fumonisin (ppb)	LC-MS/MS	2000	2160	Y	Y			-0.25	2,245	670.7
0142	620.98	Total Fumonisin (ppb)	Other Rapid Test Kit	2100	2200	Y	Y			-0.14	2,245	670.7
2239	620.98	Total Fumonisin (ppb)	Other Rapid Test Kit	2859	2836	Y	Y			0.90	2,245	670.7
0878	620.98	Total Fumonisin (ppb)	Other Rapid Test Kit	2890	2930	Y	Y			0.99	2,245	670.7
2269	620.98	Total Fumonisin (ppb)	Other Rapid Test Kit	3700	2500	Y	Y			1.27	2,245	670.7
0098	621.20	FB1 (ppb)	LC	700	900	Y	Y			-1.28	1,306	395.9
2244	621.20	FB1 (ppb)	LC	1652.504	1679.656	Y	Y			0.91	1,306	395.9

Lab #	Code	Analyte	Method	Result 1	Result 2	Detect ?		LOD	Probability of Detection	Z Score	Assigned Value	AAFCO σ ffp
						D1	D2					
0043	621.22	FB1 (ppb)	LC-MS	402.7	436.3	Y	Y			-2.24	1,306	395.9
2053	621.22	FB1 (ppb)	LC-MS	2218	2379	Y	Y			2.51	1,306	395.9
2207	621.23	FB1 (ppb)	LC-MS/MS	800	800	Y	Y			-1.28	1,306	395.9
0009	621.23	FB1 (ppb)	LC-MS/MS	1141	1050	Y	Y			-0.53	1,306	395.9
0619	621.23	FB1 (ppb)	LC-MS/MS	1183	1060	Y	Y			-0.47	1,306	395.9
0032	621.23	FB1 (ppb)	LC-MS/MS	1310	1200	Y	Y			-0.13	1,306	395.9
0918	621.23	FB1 (ppb)	LC-MS/MS	1328.65	1325.39	Y	Y			0.05	1,306	395.9
2033	621.23	FB1 (ppb)	LC-MS/MS	1385	1360	Y	Y			0.17	1,306	395.9
0870	621.23	FB1 (ppb)	LC-MS/MS	1400	1480	Y	Y			0.34	1,306	395.9
0553	621.23	FB1 (ppb)	LC-MS/MS	1772.13	1269.06	Y	Y			0.54	1,306	395.9
0964	621.23	FB1 (ppb)	LC-MS/MS	1467.02	1780.48	Y	Y			0.80	1,306	395.9
0160	621.23	FB1 (ppb)	LC-MS/MS	1630	1670	Y	Y			0.87	1,306	395.9
0098	622.20	FB2 (ppb)	LC		200	N	Y	200	93.06%	-1.48	373.4	117.1
2244	622.20	FB2 (ppb)	LC	315.432	335.516	Y	Y			-0.41	373.4	117.1
0043	622.22	FB2 (ppb)	LC-MS	121.4	115.7	Y	Y			-2.18	373.4	117.1
2053	622.22	FB2 (ppb)	LC-MS	449	389	Y	Y			0.39	373.4	117.1
2207	622.23	FB2 (ppb)	LC-MS/MS	200	200	Y	Y			-1.48	373.4	117.1
0870	622.23	FB2 (ppb)	LC-MS/MS	260	300	Y	Y			-0.80	373.4	117.1
0009	622.23	FB2 (ppb)	LC-MS/MS	326.5	290.8	Y	Y			-0.55	373.4	117.1
0032	622.23	FB2 (ppb)	LC-MS/MS	346	339	Y	Y			-0.26	373.4	117.1
2033	622.23	FB2 (ppb)	LC-MS/MS	372	372	Y	Y			-0.01	373.4	117.1
0160	622.23	FB2 (ppb)	LC-MS/MS	366	493	Y	Y			0.48	373.4	117.1
0619	622.23	FB2 (ppb)	LC-MS/MS	418	446	Y	Y			0.50	373.4	117.1
0918	622.23	FB2 (ppb)	LC-MS/MS	378.86	505.23	Y	Y			0.59	373.4	117.1
0964	622.23	FB2 (ppb)	LC-MS/MS	500.98	610.77	Y	Y			1.56	373.4	117.1
0553	622.23	FB2 (ppb)	LC-MS/MS	805.98	857.4	Y	Y			3.91	373.4	117.1
2053	623.22	FB3 (ppb)	LC-MS	241	167	Y	Y			0.24	189.7	60.6
0009	623.23	FB3 (ppb)	LC-MS/MS	164	142.6	Y	Y			-0.60	189.7	60.6
2033	623.23	FB3 (ppb)	LC-MS/MS	173	169	Y	Y			-0.31	189.7	60.6
0032	623.23	FB3 (ppb)	LC-MS/MS	177	178	Y	Y			-0.20	189.7	60.6
0870	623.23	FB3 (ppb)	LC-MS/MS	200	180	Y	Y			0.00	189.7	60.6
0553	623.23	FB3 (ppb)	LC-MS/MS	364.08	154.26	Y	Y			1.15	189.7	60.6
0160	623.23	FB3 (ppb)	LC-MS/MS			N	N	100	93.06%	NoZ	189.7	60.6
2098	630.01	Ochratoxin A (ppb)	Neogen Veratox Ochratoxin	3.6	3.7	Y	Y			-1.51	7.685	2.678
0529	630.01	Ochratoxin A (ppb)	Neogen Veratox Ochratoxin	6.3	6	Y	Y			-0.57	7.685	2.678
2022	630.03	Ochratoxin A (ppb)	Romer AgraQuant Ochratoxin	6.82	6.78	Y	Y			-0.33	7.685	2.678
0868	630.03	Ochratoxin A (ppb)	Romer AgraQuant Ochratoxin	8.12	8.38	Y	Y			0.21	7.685	2.678
2066	630.04	Ochratoxin A (ppb)	r-Biopharm Ridascreen Ochratoxin A	6.01	6.3	Y	Y			-0.57	7.685	2.678
0407	630.04	Ochratoxin A (ppb)	r-Biopharm Ridascreen Ochratoxin A	9.06	8.7	Y	Y			0.45	7.685	2.678
2226	630.05	Ochratoxin A (ppb)	r-Biopharm Ridascreen FAST Och A	5.228	5.284	Y	Y			-0.91	7.685	2.678
0656	630.05	Ochratoxin A (ppb)	r-Biopharm Ridascreen FAST Och A	5.79	5.79	Y	Y			-0.71	7.685	2.678
2022	630.05	Ochratoxin A (ppb)	r-Biopharm Ridascreen FAST Och A	7.58	6.54	Y	Y			-0.23	7.685	2.678

Lab #	Code	Analyte	Method	Result 1	Result 2	Detect ?		LOD	Probability of Detection	Z Score	Assigned Value	AAFCO σ ffp
						D1	D2					
0066	630.05	Ochratoxin A (ppb)	r-Biopharm Ridascreen FAST Och A	8.88	10.1	Y	Y			0.67	7.685	2.678
0226	630.06	Ochratoxin A (ppb)	Vicam OchraTest			N	N	46	0.00%	NoZ	7.685	2.678
0563	630.20	Ochratoxin A (ppb)	LC	2.3	2.55	Y	Y			-1.96	7.685	2.678
2192	630.20	Ochratoxin A (ppb)	LC	9	5	Y	Y			-0.26	7.685	2.678
2244	630.20	Ochratoxin A (ppb)	LC	14.4375	14.5375	Y	Y			2.54	7.685	2.678
0674	630.20	Ochratoxin A (ppb)	LC	[4630]	[4630]	Y	Y			1726.12	7.685	2.678
0098	630.20	Ochratoxin A (ppb)	LC			N	N	10	19.37%	NoZ	7.685	2.678
0910	630.21	Ochratoxin A (ppb)	LC-PCD FI	6.2	7.9	Y	Y			-0.24	7.685	2.678
2033	630.23	Ochratoxin A (ppb)	LC-MS/MS	1.6	1.8	Y	Y			-2.24	7.685	2.678
0619	630.23	Ochratoxin A (ppb)	LC-MS/MS	2.36	3.87	Y	Y			-1.71	7.685	2.678
0870	630.23	Ochratoxin A (ppb)	LC-MS/MS	5.18	4.16	Y	Y			-1.13	7.685	2.678
0918	630.23	Ochratoxin A (ppb)	LC-MS/MS	4.6	5.6	Y	Y			-0.97	7.685	2.678
0160	630.23	Ochratoxin A (ppb)	LC-MS/MS	7.6	6.7	Y	Y			-0.20	7.685	2.678
0009	630.23	Ochratoxin A (ppb)	LC-MS/MS	8.009	6.835	Y	Y			-0.10	7.685	2.678
0010	630.23	Ochratoxin A (ppb)	LC-MS/MS	8.5	7.9	Y	Y			0.19	7.685	2.678
0032	630.23	Ochratoxin A (ppb)	LC-MS/MS	8.27	10.5	Y	Y			0.63	7.685	2.678
0964	630.23	Ochratoxin A (ppb)	LC-MS/MS	11.78	13.08	Y	Y			1.77	7.685	2.678
2053	630.23	Ochratoxin A (ppb)	LC-MS/MS	14	12.1	Y	Y			2.00	7.685	2.678
0553	630.23	Ochratoxin A (ppb)	LC-MS/MS	283.11	249.3	Y	Y			96.54	7.685	2.678
2207	630.23	Ochratoxin A (ppb)	LC-MS/MS			N	N	3	95.99%	NoZ	7.685	2.678
2239	630.98	Ochratoxin A (ppb)	Other Rapid Test Kit	3.12	2.95	Y	Y			-1.74	7.685	2.678
2244	630.98	Ochratoxin A (ppb)	Other Rapid Test Kit	13.87	14.025	Y	Y			2.34	7.685	2.678
2269	630.98	Ochratoxin A (ppb)	Other Rapid Test Kit	15.41	13.22	Y	Y			2.48	7.685	2.678
0878	630.98	Ochratoxin A (ppb)	Other Rapid Test Kit	14.8	14.3	Y	Y			2.56	7.685	2.678
0870	630.98	Ochratoxin A (ppb)	Other Rapid Test Kit			N	N	2	98.31%	NoZ	7.685	2.678
0868	640.03	T-2 (ppb)	Romer AgraQuant T-2	70.68	76.82	Y	Y			0.99	55.55	18.35
0066	640.03	T-2 (ppb)	Romer AgraQuant T-2	107.25	116.65	Y	Y			3.07	55.55	18.35
0674	640.03	T-2 (ppb)	Romer AgraQuant T-2	700	700	Y	Y			35.13	55.55	18.35
0407	640.05	T-2 (ppb)	r-Biopharm Ridascreen FAST T-2	43.92	73.5	Y	Y			0.17	55.55	18.35
0656	640.05	T-2 (ppb)	r-Biopharm Ridascreen FAST T-2	87.23	87.23	Y	Y			1.73	55.55	18.35
2129	640.05	T-2 (ppb)	r-Biopharm Ridascreen FAST T-2	249	219	Y	Y			9.73	55.55	18.35
0910	640.21	T-2 (ppb)	LC-PCD FI	29.5	30.3	Y	Y			-1.40	55.55	18.35
0964	640.23	T-2 (ppb)	LC-MS/MS	15.89	11.13	Y	Y			-2.29	55.55	18.35
2033	640.23	T-2 (ppb)	LC-MS/MS	20	20	Y	Y			-1.94	55.55	18.35
2244	640.23	T-2 (ppb)	LC-MS/MS	20.7376	21.5111	Y	Y			-1.88	55.55	18.35
0619	640.23	T-2 (ppb)	LC-MS/MS	31.2	36.4	Y	Y			-1.19	55.55	18.35
0870	640.23	T-2 (ppb)	LC-MS/MS	31.02	39.26	Y	Y			-1.11	55.55	18.35
0553	640.23	T-2 (ppb)	LC-MS/MS	39.63	32.3	Y	Y			-1.07	55.55	18.35
2053	640.23	T-2 (ppb)	LC-MS/MS	38.5	35.8	Y	Y			-1.00	55.55	18.35
0918	640.23	T-2 (ppb)	LC-MS/MS	45.41	45.72	Y	Y			-0.54	55.55	18.35
0160	640.23	T-2 (ppb)	LC-MS/MS			N	N	100	0.77%	NoZ	55.55	18.35
2207	640.23	T-2 (ppb)	LC-MS/MS			N	N	60	40.42%	NoZ	55.55	18.35

Lab #	Code	Analyte	Method	Result 1	Result 2	Detect ?		LOD	Probability of Detection	Z Score	Assigned Value	AAFCO σ ffp
						D1	D2					
2239	640.98	T-2 (ppb)	Other Rapid Test Kit	51.7	53.8	Y	Y			-0.15	55.55	18.35
0878	640.98	T-2 (ppb)	Other Rapid Test Kit	60.5	68	Y	Y			0.47	55.55	18.35
0910	641.21	HT-2 (ppb)	LC post-col photochem der. FI	64	67	Y	Y			-0.42	76.04	24.9
2033	641.23	HT-2 (ppb)	LC-MS/MS	41.8	45.6	Y	Y			-1.30	76.04	24.9
0964	641.23	HT-2 (ppb)	LC-MS/MS	53.19	69.56	Y	Y			-0.59	76.04	24.9
0619	641.23	HT-2 (ppb)	LC-MS/MS	64.4	81.3	Y	Y			-0.13	76.04	24.9
0870	641.23	HT-2 (ppb)	LC-MS/MS	82.82	81.84	Y	Y			0.25	76.04	24.9
2207	641.23	HT-2 (ppb)	LC-MS/MS	110	90	Y	Y			0.96	76.04	24.9
2053	641.23	HT-2 (ppb)	LC-MS/MS	106	107	Y	Y			1.22	76.04	24.9
2022	642.02	T-2 + HT-2 (ppb)	LC	211.85	204.89	Y	Y			-0.74	272.3	86.12
2098	642.21	T-2 + HT-2 (ppb)	Neogen Veratox T-2 + HT-2	114	117	Y	Y			-1.82	272.3	86.12
2022	642.21	T-2 + HT-2 (ppb)	Neogen Veratox T-2 + HT-2	209.33	209.37	Y	Y			-0.73	272.3	86.12
0870	642.21	T-2 + HT-2 (ppb)	Neogen Veratox T-2 + HT-2	431	355	Y	Y			1.40	272.3	86.12
0529	642.21	T-2 + HT-2 (ppb)	Neogen Veratox T-2 + HT-2	640	660	Y	Y			4.39	272.3	86.12
2192	642.21	T-2 + HT-2 (ppb)	Neogen Veratox T-2 + HT-2	1157.42	1227.08	Y	Y			10.68	272.3	86.12
2244	642.98	T-2 + HT-2 (ppb)	Other Rapid Test Kit	38.3645	39.7955	Y	Y			-2.71	272.3	86.12
2269	642.98	T-2 + HT-2 (ppb)	Other Rapid Test Kit	102.9	96.22	Y	Y			-2.01	272.3	86.12
0590	642.98	T-2 + HT-2 (ppb)	Other Rapid Test Kit	215	173	Y	Y			-0.91	272.3	86.12
2022	642.98	T-2 + HT-2 (ppb)	Other Rapid Test Kit	201.48	205.27	Y	Y			-0.80	272.3	86.12
2098	650.01	Zearalenone (ppb)	Neogen Veratox Zearalenone	120	132.4	Y	Y			-2.52	574.6	178.1
0027	650.01	Zearalenone (ppb)	Neogen Veratox Zearalenone	412.8	441	Y	Y			-0.83	574.6	178.1
2113	650.01	Zearalenone (ppb)	Neogen Veratox Zearalenone	845.8	682.8	Y	Y			1.07	574.6	178.1
0870	650.01	Zearalenone (ppb)	Neogen Veratox Zearalenone	932.4	976.8	Y	Y			2.13	574.6	178.1
0529	650.01	Zearalenone (ppb)	Neogen Veratox Zearalenone	1076.7	978.8	Y	Y			2.54	574.6	178.1
0674	650.02	Zearalenone (ppb)	Charm ROSA Zearalenone Quant - MeOH	600	600	Y	Y			0.14	574.6	178.1
2022	650.04	Zearalenone (ppb)	Romer AgraQuant ZON	771.46	771.51	Y	Y			1.11	574.6	178.1
2066	650.05	Zearalenone (ppb)	r-Biopharm Ridascreen Zearalenon	307.45	311.68	Y	Y			-1.49	574.6	178.1
0656	650.06	Zearalenone (ppb)	r-Biopharm Ridascreen FAST ZON	129.74	129.74	Y	Y			-2.50	574.6	178.1
0202	650.06	Zearalenone (ppb)	r-Biopharm Ridascreen FAST ZON	237.139	249.511	Y	Y			-1.86	574.6	178.1
2226	650.06	Zearalenone (ppb)	r-Biopharm Ridascreen FAST ZON	386.304	401.272	Y	Y			-1.02	574.6	178.1
2129	650.06	Zearalenone (ppb)	r-Biopharm Ridascreen FAST ZON	476	472	Y	Y			-0.56	574.6	178.1
0590	650.06	Zearalenone (ppb)	r-Biopharm Ridascreen FAST ZON	501	609	Y	Y			-0.11	574.6	178.1
0407	650.06	Zearalenone (ppb)	r-Biopharm Ridascreen FAST ZON	718.8	812.36	Y	Y			1.07	574.6	178.1
2022	650.06	Zearalenone (ppb)	r-Biopharm Ridascreen FAST ZON	824.68	818.48	Y	Y			1.39	574.6	178.1
0066	650.07	Zearalenone (ppb)	r-Biopharm Ridascreen FAST ZON SC	328.81	327.4	Y	Y			-1.38	574.6	178.1
0035	650.07	Zearalenone (ppb)	r-Biopharm Ridascreen FAST ZON SC	382.89	390.01	Y	Y			-1.06	574.6	178.1
0098	650.20	Zearalenone (ppb)	LC	390	420	Y	Y			-0.95	574.6	178.1
2192	650.20	Zearalenone (ppb)	LC	412.31	435.24	Y	Y			-0.85	574.6	178.1
0563	650.20	Zearalenone (ppb)	LC	506.8	516	Y	Y			-0.35	574.6	178.1
0910	650.20	Zearalenone (ppb)	LC	561	554	Y	Y			-0.10	574.6	178.1
2244	650.20	Zearalenone (ppb)	LC	569.036	594.587	Y	Y			0.04	574.6	178.1
0868	650.20	Zearalenone (ppb)	LC	619	648	Y	Y			0.33	574.6	178.1

Lab #	Code	Analyte	Method	Result 1	Result 2	Detect ?		LOD	Probability of Detection	Z Score	Assigned Value	AAFCO σ fp
						D1	D2					
0051	650.21	Zearalenone (ppb)	LC-FI, ISO	680	678	Y	Y			0.59	574.6	178.1
0226	650.22	Zearalenone (ppb)	LC-FI, AOCS			N	N	250	96.58%	NoZ	574.6	178.1
0160	650.23	Zearalenone (ppb)	LC-MS	441	366	Y	Y			-0.96	574.6	178.1
0043	650.23	Zearalenone (ppb)	LC-MS	459.2	450.9	Y	Y			-0.67	574.6	178.1
2033	650.24	Zearalenone (ppb)	LC-MS/MS	240	310	Y	Y			-1.68	574.6	178.1
0870	650.24	Zearalenone (ppb)	LC-MS/MS	598	572.7	Y	Y			0.06	574.6	178.1
2207	650.24	Zearalenone (ppb)	LC-MS/MS	630	610	Y	Y			0.25	574.6	178.1
0918	650.24	Zearalenone (ppb)	LC-MS/MS	608.7	641.5	Y	Y			0.28	574.6	178.1
0619	650.24	Zearalenone (ppb)	LC-MS/MS	758	646	Y	Y			0.72	574.6	178.1
0032	650.24	Zearalenone (ppb)	LC-MS/MS	753	725	Y	Y			0.92	574.6	178.1
2053	650.24	Zearalenone (ppb)	LC-MS/MS	744	735	Y	Y			0.93	574.6	178.1
0009	650.24	Zearalenone (ppb)	LC-MS/MS	791.6	830.4	Y	Y			1.33	574.6	178.1
0010	650.24	Zearalenone (ppb)	LC-MS/MS	860	770	Y	Y			1.35	574.6	178.1
2155	650.24	Zearalenone (ppb)	LC-MS/MS	826	869	Y	Y			1.53	574.6	178.1
0553	650.24	Zearalenone (ppb)	LC-MS/MS	979.68	722.36	Y	Y			1.55	574.6	178.1
0964	650.24	Zearalenone (ppb)	LC-MS/MS	802.53	985.51	Y	Y			1.79	574.6	178.1
0142	650.98	Zearalenone (ppb)	Other Rapid Test Kit	47.9	49.9	Y	Y			-2.95	574.6	178.1
0878	650.98	Zearalenone (ppb)	Other Rapid Test Kit	571	511	Y	Y			-0.19	574.6	178.1
2244	650.98	Zearalenone (ppb)	Other Rapid Test Kit	561.96	588.95	Y	Y			0.00	574.6	178.1
2269	650.98	Zearalenone (ppb)	Other Rapid Test Kit	623.4	645.92	Y	Y			0.34	574.6	178.1
0868	650.98	Zearalenone (ppb)	Other Rapid Test Kit	690	689	Y	Y			0.65	574.6	178.1
2239	650.98	Zearalenone (ppb)	Other Rapid Test Kit	672.5	712.6	Y	Y			0.66	574.6	178.1
2268	650.99	Zearalenone (ppb)	Miscellaneous	180	240	Y	Y			-2.05	574.6	178.1

Interpreting Z Scores: Red indicates a normally distributed Z value >3 or <-3 (requires action), Orange = Z between 2 and 3 or -2 and -3 (warning) and Green = Z < 2 and >-2 (OK at 95%). Notes: Z scored against Robust consensus. If < 6 results used in calculations or only 1 of 2 results detected Z is Grey and Probability of Detection is for the Non-Detect (see documentation). A Red NoZ indicates both results Not Detected with a Probability Of Detecting a single value. Where the Assigned Value is ND then the LOD follows as (LOD) in the Analyte units. An astrix on the Analyte name indicates Reference Lab Value used as Assigned Value and Z scores are calculated against the reference Lab. Results in square brackets not used in Robust calculations.