# Proficiency Testing Program

## ANALYTE
## All Labs PT Report

## 202662 (Dry Cat Feed)

**Issue Date: 5/31/2026**

| Code | Analyte | Method | Lab Code | Result1 | Result2 | [1] Lab Value | [2] Z score | [3] Robust Stats | | | [4] Flag |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Robust Mean | ffp StDev | n used | |
| **Total Aflatoxin (ppb)** | | | | | | | | | | | |
| 600.23 | Total Aflatoxin (ppb) | LC-MS | **2326** | 3 | 2 | **2.5** | **-2.40** | 14.1 | 4.834 | 45 | |
| 600.24 | Total Aflatoxin (ppb) | LC-MS/MS | **0202** | 4.27 | 4.56 | **4.415** | **-2.00** | 14.1 | 4.834 | 45 | |
| 600.99 | Total Aflatoxin (ppb) | Miscellaneous | **2456** | 11.537 | 7.066 | **9.302** | **-0.99** | 14.1 | 4.834 | 45 | |
| 600.24 | Total Aflatoxin (ppb) | LC-MS/MS | **2129** | 9.1 | 9.8 | **9.45** | **-0.96** | 14.1 | 4.834 | 45 | |
| 600.01 | Total Aflatoxin (ppb) | Neogen Veratox Aflatoxin | **0027** | 8 | 11.2 | **9.6** | **-0.93** | 14.1 | 4.834 | 45 | |
| 600.01 | Total Aflatoxin (ppb) | Neogen Veratox Aflatoxin | **0529** | 10.6 | 10.4 | **10.5** | **-0.75** | 14.1 | 4.834 | 45 | |
| 600.14 | Total Aflatoxin (ppb) | Vicam Aflatest | **0004** | 11.11 | 9.9 | **10.5** | **-0.74** | 14.1 | 4.834 | 45 | |
| 600.01 | Total Aflatoxin (ppb) | Neogen Veratox Aflatoxin | **0227** | 12 | 11 | **11.5** | **-0.54** | 14.1 | 4.834 | 45 | |
| 600.20 | Total Aflatoxin (ppb) | LC | **0010** | 12 | 11 | **11.5** | **-0.54** | 14.1 | 4.834 | 45 | |
| 600.14 | Total Aflatoxin (ppb) | Vicam Aflatest | **0190** | 11 | 12 | **11.5** | **-0.54** | 14.1 | 4.834 | 45 | |
| 600.14 | Total Aflatoxin (ppb) | Vicam Aflatest | **2268** | 12 | 11 | **11.5** | **-0.54** | 14.1 | 4.834 | 45 | |
| 600.20 | Total Aflatoxin (ppb) | LC | **2192** | 12.8 | 11.7 | **12.25** | **-0.38** | 14.1 | 4.834 | 45 | |
| 600.01 | Total Aflatoxin (ppb) | Neogen Veratox Aflatoxin | **0876** | 9.2 | 15.7 | **12.45** | **-0.34** | 14.1 | 4.834 | 45 | |
| 600.14 | Total Aflatoxin (ppb) | Vicam Aflatest | **2199** | 13 | 12 | **12.5** | **-0.33** | 14.1 | 4.834 | 45 | |
| 600.13 | Total Aflatoxin (ppb) | r-Biopharm Ridascreen FAST Afl SC | **0407** | 10.12 | 15.27 | **12.7** | **-0.29** | 14.1 | 4.834 | 45 | |
| 600.01 | Total Aflatoxin (ppb) | Neogen Veratox Aflatoxin | **0034** | 13.05 | 12.7 | **12.88** | **-0.25** | 14.1 | 4.834 | 45 | |

| Code | Analyte | Method | Lab Code | Result1 | Result2 | [1] Lab Value | [2] Z score | [3] Robust Stats | | | [4] Flag |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Robust Mean | ffp StDev | n used | |
| 600.12 | Total Aflatoxin (ppb) | r-Biopharm Ridascreen FAST Afl | **2066** | 13.31 | 12.48 | **12.9** | **-0.25** | 14.1 | 4.834 | 45 | |
| 600.14 | Total Aflatoxin (ppb) | Vicam Aflatest | **2369** | 12.94 | 13.03 | **12.98** | **-0.23** | 14.1 | 4.834 | 45 | |
| 600.20 | Total Aflatoxin (ppb) | LC | **2369** | 12.94 | 13.03 | **12.98** | **-0.23** | 14.1 | 4.834 | 45 | |
| 600.01 | Total Aflatoxin (ppb) | Neogen Veratox Aflatoxin | **0918** | 12.02 | 14.2 | **13.11** | **-0.21** | 14.1 | 4.834 | 45 | |
| 600.01 | Total Aflatoxin (ppb) | Neogen Veratox Aflatoxin | **0208** | 13.6 | 13.4 | **13.5** | **-0.13** | 14.1 | 4.834 | 45 | |
| 600.20 | Total Aflatoxin (ppb) | LC | **0001** | 13.62 | 13.89 | **13.76** | **-0.07** | 14.1 | 4.834 | 45 | |
| 600.20 | Total Aflatoxin (ppb) | LC | **0674** | 13.78 | 13.78 | **13.78** | **-0.07** | 14.1 | 4.834 | 45 | 7 |
| 600.24 | Total Aflatoxin (ppb) | LC-MS/MS | **0682** | 13.8 | 13.8 | **13.8** | **-0.06** | 14.1 | 4.834 | 45 | 7 |
| 600.24 | Total Aflatoxin (ppb) | LC-MS/MS | **0297** | 14.06 | 13.96 | **14.01** | **-0.02** | 14.1 | 4.834 | 45 | |
| 600.98 | Total Aflatoxin (ppb) | Other Rapid Test Kit | **0511** | 13.1 | 15.6 | **14.35** | **0.05** | 14.1 | 4.834 | 45 | |
| 600.22 | Total Aflatoxin (ppb) | Vicam Aflatest, LC-Fl | **0098** | 14.31 | 15.6 | **14.96** | **0.18** | 14.1 | 4.834 | 45 | |
| 600.22 | Total Aflatoxin (ppb) | Vicam Aflatest, LC-Fl | **0505** | 15 | 15.5 | **15.25** | **0.24** | 14.1 | 4.834 | 45 | |
| 600.01 | Total Aflatoxin (ppb) | Neogen Veratox Aflatoxin | **2096** | 11.5 | 19 | **15.25** | **0.24** | 14.1 | 4.834 | 45 | 1 |
| 600.20 | Total Aflatoxin (ppb) | LC | **2196** | 15.3 | 15.3 | **15.3** | **0.25** | 14.1 | 4.834 | 45 | 7 |
| 600.20 | Total Aflatoxin (ppb) | LC | **2066** | 14.04 | 16.65 | **15.34** | **0.26** | 14.1 | 4.834 | 45 | |
| 600.04 | Total Aflatoxin (ppb) | Charm ROSA Fast 5 Aflatoxin Quant | **2147** | 15 | 17 | **16** | **0.39** | 14.1 | 4.834 | 45 | |
| 600.13 | Total Aflatoxin (ppb) | r-Biopharm Ridascreen FAST Afl SC | **0066** | 14.9 | 17.7 | **16.3** | **0.45** | 14.1 | 4.834 | 45 | |
| 600.98 | Total Aflatoxin (ppb) | Other Rapid Test Kit | **0033** | 15.4 | 17.2 | **16.3** | **0.45** | 14.1 | 4.834 | 45 | |
| 600.20 | Total Aflatoxin (ppb) | LC | **0563** | 15.9844 | 16.6362 | **16.31** | **0.46** | 14.1 | 4.834 | 45 | |
| 600.21 | Total Aflatoxin (ppb) | LC-PCD Fl | **0035** | 17 | 16 | **16.5** | **0.50** | 14.1 | 4.834 | 45 | |
| 600.15 | Total Aflatoxin (ppb) | Vicam Afla-V | **0278** | 17.8 | 16.4 | **17.1** | **0.62** | 14.1 | 4.834 | 45 | |
| 600.08 | Total Aflatoxin (ppb) | Romer AgraQuant Total Afl 4-40ppb | **2196** | 17.27 | 17.27 | **17.27** | **0.65** | 14.1 | 4.834 | 45 | 7 |
| 600.24 | Total Aflatoxin (ppb) | LC-MS/MS | **2529** | 19.8 | 15.2 | **17.5** | **0.70** | 14.1 | 4.834 | 45 | |
| 600.14 | Total Aflatoxin (ppb) | Vicam Aflatest | **0520** | 17 | 18 | **17.5** | **0.70** | 14.1 | 4.834 | 45 | |
| 600.24 | Total Aflatoxin (ppb) | LC-MS/MS | **0148** | 17.93 | 17.71 | **17.82** | **0.77** | 14.1 | 4.834 | 45 | |
| 600.24 | Total Aflatoxin (ppb) | LC-MS/MS | **0353** | 15.262 | 20.669 | **17.97** | **0.80** | 14.1 | 4.834 | 45 | |

| Code | Analyte | Method | Lab Code | Result1 | Result2 | [1] Lab Value | [2] Z score | [3] Robust Stats: Robust Mean | ffp StDev | n used | [4] Flag |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 600.20 | Total Aflatoxin (ppb) | LC | **0042** | 18.91 | 18.23 | **18.57** | **0.92** | 14.1 | 4.834 | 45 | |
| 600.02 | Total Aflatoxin (ppb) | Neogen Veratox Aflatoxin HS | **0089** | 19 | 19 | **19** | **1.01** | 14.1 | 4.834 | 45 | 7 |
| 600.99 | Total Aflatoxin (ppb) | Miscellaneous | **2302** | 20.94 | 23.09 | **22.02** | **1.64** | 14.1 | 4.834 | 45 | |
| 600.12 | Total Aflatoxin (ppb) | r-Biopharm Ridascreen FAST Afl | **2226** | 32.99 | 33.853 | **33.42** | **4.00** | 14.1 | 4.834 | 45 | |

## Aflatoxin B1 (ppb)

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 601.23 | Aflatoxin B1 (ppb) | LC-MS/MS | **2326** | 2 | 2 | **2** | **-2.48** | 13.47 | 4.623 | 29 | 7 |
| 601.23 | Aflatoxin B1 (ppb) | LC-MS/MS | **0202** | 4.27 | 4.56 | **4.415** | **-1.96** | 13.47 | 4.623 | 29 | |
| 601.23 | Aflatoxin B1 (ppb) | LC-MS/MS | **0553** | 4.04 | 7.41 | **5.725** | **-1.68** | 13.47 | 4.623 | 29 | |
| 601.23 | Aflatoxin B1 (ppb) | LC-MS/MS | **0242** | 8 | 8 | **8** | **-1.18** | 13.47 | 4.623 | 29 | 7 |
| 601.20 | Aflatoxin B1 (ppb) | LC | **0010** | 11 | 10.4 | **10.7** | **-0.60** | 13.47 | 4.623 | 29 | |
| 601.23 | Aflatoxin B1 (ppb) | LC-MS/MS | **2055** | 10.4 | 11.3 | **10.85** | **-0.57** | 13.47 | 4.623 | 29 | |
| 601.20 | Aflatoxin B1 (ppb) | LC | **2192** | 11.9 | 10.9 | **11.4** | **-0.45** | 13.47 | 4.623 | 29 | |
| 601.23 | Aflatoxin B1 (ppb) | LC-MS/MS | **2023** | 11.6 | 11.2 | **11.4** | **-0.45** | 13.47 | 4.623 | 29 | |
| 601.20 | Aflatoxin B1 (ppb) | LC | **2369** | 12.06 | 12.14 | **12.1** | **-0.30** | 13.47 | 4.623 | 29 | |
| 601.24 | Aflatoxin B1 (ppb) | Vicam Aflatest, LC-Fl | **2369** | 12.06 | 12.14 | **12.1** | **-0.30** | 13.47 | 4.623 | 29 | |
| 601.23 | Aflatoxin B1 (ppb) | LC-MS/MS | **0297** | 12.77 | 12.65 | **12.71** | **-0.16** | 13.47 | 4.623 | 29 | |
| 601.20 | Aflatoxin B1 (ppb) | LC | **2322** | 12.8 | 12.92 | **12.86** | **-0.13** | 13.47 | 4.623 | 29 | |
| 601.23 | Aflatoxin B1 (ppb) | LC-MS/MS | **0028** | 12.962 | 12.788 | **12.88** | **-0.13** | 13.47 | 4.623 | 29 | |
| 601.23 | Aflatoxin B1 (ppb) | LC-MS/MS | **0682** | 12.9 | 12.9 | **12.9** | **-0.12** | 13.47 | 4.623 | 29 | 7 |
| 601.23 | Aflatoxin B1 (ppb) | LC-MS/MS | **0870** | 14.375 | 12.4 | **13.39** | **-0.02** | 13.47 | 4.623 | 29 | |
| 601.24 | Aflatoxin B1 (ppb) | Vicam Aflatest, LC-Fl | **0098** | 13.19 | 14.4 | **13.8** | **0.07** | 13.47 | 4.623 | 29 | |
| 601.23 | Aflatoxin B1 (ppb) | LC-MS/MS | **0009** | 13.154 | 14.97 | **14.06** | **0.13** | 13.47 | 4.623 | 29 | |
| 601.20 | Aflatoxin B1 (ppb) | LC | **2196** | 14.58 | 14.58 | **14.58** | **0.24** | 13.47 | 4.623 | 29 | 7 |
| 601.20 | Aflatoxin B1 (ppb) | LC | **2066** | 13.7 | 16.44 | **15.07** | **0.35** | 13.47 | 4.623 | 29 | |
| 601.21 | Aflatoxin B1 (ppb) | LC-PCD Fl | **0910** | 17.04 | 13.11 | **15.08** | **0.35** | 13.47 | 4.623 | 29 | |

| Code | Analyte | Method | Lab Code | Result1 | Result2 | [1] Lab Value | [2] Z score | [3] Robust Stats: Robust Mean | ffp StdDev | n used | [4] Flag |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 601.23 | Aflatoxin B1 (ppb) | LC-MS/MS | **0913** | 14.9 | 15.6 | **15.25** | **0.38** | 13.47 | 4.623 | 29 | |
| 601.21 | Aflatoxin B1 (ppb) | LC-PCD Fl | **0035** | 16 | 15.2 | **15.6** | **0.46** | 13.47 | 4.623 | 29 | |
| 601.20 | Aflatoxin B1 (ppb) | LC | **0563** | 15.9844 | 16.6362 | **16.31** | **0.61** | 13.47 | 4.623 | 29 | |
| 601.23 | Aflatoxin B1 (ppb) | LC-MS/MS | **0572** | 18 | 15 | **16.5** | **0.66** | 13.47 | 4.623 | 29 | |
| 601.23 | Aflatoxin B1 (ppb) | LC-MS/MS | **0964** | 16.7 | 16.8 | **16.75** | **0.71** | 13.47 | 4.623 | 29 | |
| 601.23 | Aflatoxin B1 (ppb) | LC-MS/MS | **0353** | 14.564 | 19.3 | **16.93** | **0.75** | 13.47 | 4.623 | 29 | |
| 601.23 | Aflatoxin B1 (ppb) | LC-MS/MS | **0043** | 18.16 | 16.26 | **17.21** | **0.81** | 13.47 | 4.623 | 29 | |
| 601.23 | Aflatoxin B1 (ppb) | LC-MS/MS | **0148** | 17.93 | 17.71 | **17.82** | **0.94** | 13.47 | 4.623 | 29 | |
| 601.23 | Aflatoxin B1 (ppb) | LC-MS/MS | **2140** | 23 | 14 | **18.5** | **1.09** | 13.47 | 4.623 | 29 | 1 |
| 601.99 | Aflatoxin B1 (ppb) | Miscellaneous | **0015** | 22.6737 | 19.1654 | **20.92** | **1.61** | 13.47 | 4.623 | 29 | |

## Aflatoxin B2 (ppb)

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 602.23 | Aflatoxin B2 (ppb) | LC-MS/MS | **2023** | <0.3 | <0.3 | **<0.3** | | 0.962 | 0.3546 | 14 | 6 |
| 602.23 | Aflatoxin B2 (ppb) | LC-MS/MS | **2326** | 1 | <0.5 | **<0.5** | | 0.962 | 0.3546 | 14 | 6 |
| 602.23 | Aflatoxin B2 (ppb) | LC-MS/MS | **0009** | <0.68 | <0.68 | **<0.68** | | 0.962 | 0.3546 | 14 | 6 |
| 602.23 | Aflatoxin B2 (ppb) | LC-MS/MS | **0202** | <1 | <1 | **<1** | | 0.962 | 0.3546 | 14 | 6 |
| 602.20 | Aflatoxin B2 (ppb) | LC | **2066** | <1.7 | <1.7 | **<1.7** | | 0.962 | 0.3546 | 14 | 6 |
| 602.23 | Aflatoxin B2 (ppb) | LC-MS/MS | **0242** | <2 | <2 | **<2** | | 0.962 | 0.3546 | 14 | 6 |
| 602.23 | Aflatoxin B2 (ppb) | LC-MS/MS | **0148** | <2.5 | <2.5 | **<2.5** | | 0.962 | 0.3546 | 14 | 6 |
| 602.23 | Aflatoxin B2 (ppb) | LC-MS/MS | **2140** | <20 | <20 | **<20** | | 0.962 | 0.3546 | 14 | 6 |
| 602.20 | Aflatoxin B2 (ppb) | LC | **0563** | <5 | <5 | **<5** | | 0.962 | 0.3546 | 14 | 6 |
| 602.23 | Aflatoxin B2 (ppb) | LC-MS/MS | **0028** | 0 | 0 | **0** | | 0.962 | 0.3546 | 14 | 5 |
| 602.23 | Aflatoxin B2 (ppb) | LC-MS/MS | **0353** | 0.698 | 0.74 | **0.719** | **-0.69** | 0.962 | 0.3546 | 14 | |
| 602.20 | Aflatoxin B2 (ppb) | LC | **2196** | 0.72 | 0.72 | **0.72** | **-0.68** | 0.962 | 0.3546 | 14 | 7 |
| 602.20 | Aflatoxin B2 (ppb) | LC | **0010** | 0.9 | 0.6 | **0.75** | **-0.60** | 0.962 | 0.3546 | 14 | |
| 602.23 | Aflatoxin B2 (ppb) | LC-MS/MS | **0870** | 0.75 | 0.825 | **0.7875** | **-0.49** | 0.962 | 0.3546 | 14 | |

| Code | Analyte | Method | Lab Code | Result1 | Result2 | [1] Lab Value | [2] Z score | [3] Robust Stats: Robust Mean | ffp StDev | n used | [4] Flag |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 602.21 | Aflatoxin B2 (ppb) | LC-PCD Fl | **0035** | 0.8 | 0.85 | **0.825** | **-0.39** | 0.962 | 0.3546 | 14 | |
| 602.20 | Aflatoxin B2 (ppb) | LC | **2192** | 0.89 | 0.82 | **0.855** | **-0.30** | 0.962 | 0.3546 | 14 | |
| 602.24 | Aflatoxin B2 (ppb) | Vicam Aflatest, LC-Fl | **2369** | 0.88 | 0.89 | **0.885** | **-0.22** | 0.962 | 0.3546 | 14 | |
| 602.20 | Aflatoxin B2 (ppb) | LC | **2369** | 0.88 | 0.89 | **0.885** | **-0.22** | 0.962 | 0.3546 | 14 | |
| 602.23 | Aflatoxin B2 (ppb) | LC-MS/MS | **0682** | 0.9 | 0.9 | **0.9** | **-0.17** | 0.962 | 0.3546 | 14 | 7 |
| 602.23 | Aflatoxin B2 (ppb) | LC-MS/MS | **0913** | 1 | 1 | **1** | **0.11** | 0.962 | 0.3546 | 14 | 7 |
| 602.21 | Aflatoxin B2 (ppb) | LC-PCD Fl | **0910** | 1.36 | 0.85 | **1.105** | **0.40** | 0.962 | 0.3546 | 14 | 1 |
| 602.24 | Aflatoxin B2 (ppb) | Vicam Aflatest, LC-Fl | **0098** | 1.12 | 1.2 | **1.16** | **0.56** | 0.962 | 0.3546 | 14 | |
| 602.23 | Aflatoxin B2 (ppb) | LC-MS/MS | **0964** | 1.26 | 1.3 | **1.28** | **0.90** | 0.962 | 0.3546 | 14 | |
| 602.23 | Aflatoxin B2 (ppb) | LC-MS/MS | **0297** | 1.39 | 1.31 | **1.35** | **1.09** | 0.962 | 0.3546 | 14 | |
| 602.23 | Aflatoxin B2 (ppb) | LC-MS/MS | **0043** | 1.259 | 1.495 | **1.377** | **1.17** | 0.962 | 0.3546 | 14 | |

## Aflatoxin G1 (ppb)

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 603.21 | Aflatoxin G1 (ppb) | LC-PCD Fl | **0910** | <0.2 | <0.2 | **<0.2** | | | | | 6 |
| 603.23 | Aflatoxin G1 (ppb) | LC-MS/MS | **0682** | <0.5 | <0.5 | **<0.5** | | | | | 6 |
| 603.23 | Aflatoxin G1 (ppb) | LC-MS/MS | **2326** | <0.5 | <0.5 | **<0.5** | | | | | 6 |
| 603.23 | Aflatoxin G1 (ppb) | LC-MS/MS | **0009** | <0.67 | <0.67 | **<0.67** | | | | | 6 |
| 603.23 | Aflatoxin G1 (ppb) | LC-MS/MS | **2023** | <0.7 | <0.7 | **<0.7** | | | | | 6 |
| 603.23 | Aflatoxin G1 (ppb) | LC-MS/MS | **0964** | <1 | <1 | **<1** | | | | | 6 |
| 603.23 | Aflatoxin G1 (ppb) | LC-MS/MS | **0043** | <1 | <1 | **<1** | | | | | 6 |
| 603.23 | Aflatoxin G1 (ppb) | LC-MS/MS | **0870** | <1 | <1 | **<1** | | | | | 6 |
| 603.23 | Aflatoxin G1 (ppb) | LC-MS/MS | **0202** | <1 | <1 | **<1** | | | | | 6 |
| 603.23 | Aflatoxin G1 (ppb) | LC-MS/MS | **0913** | <1 | <1 | **<1** | | | | | 6 |
| 603.20 | Aflatoxin G1 (ppb) | LC | **2066** | <1.7 | <1.7 | **<1.7** | | | | | 6 |
| 603.24 | Aflatoxin G1 (ppb) | Vicam Aflatest, LC-Fl | **0098** | <15 | <15 | **<15** | | | | | 6 |
| 603.23 | Aflatoxin G1 (ppb) | LC-MS/MS | **0242** | <2 | <2 | **<2** | | | | | 6 |

| Code | Analyte | Method | Lab Code | Result1 | Result2 | [1] Lab Value | [2] Z score | [3] Robust Stats: Robust Mean | ffp StDev | n used | [4] Flag |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 603.23 | Aflatoxin G1 (ppb) | LC-MS/MS | **0148** | <2.5 | <2.5 | **<2.5** | | | | | 6 |
| 603.23 | Aflatoxin G1 (ppb) | LC-MS/MS | **2140** | <20 | <20 | **<20** | | | | | 6 |
| 603.23 | Aflatoxin G1 (ppb) | LC-MS/MS | **0028** | 0 | 0 | **0** | | | | | 5 |
| 603.23 | Aflatoxin G1 (ppb) | LC-MS/MS | **0297** | 0 | 0 | **0** | | | | | 5 |
| 603.99 | Aflatoxin G1 (ppb) | Miscellaneous | **0015** | 2.2982 | 2.0835 | **2.191** | | | | | |
| | | | | **Aflatoxin G2 (ppb)** | | | | | | | |
| 604.21 | Aflatoxin G2 (ppb) | LC-PCD Fl | **0910** | <0.2 | <0.2 | **<0.2** | | | | | 6 |
| 604.23 | Aflatoxin G2 (ppb) | LC-MS/MS | **2326** | <0.5 | <0.5 | **<0.5** | | | | | 6 |
| 604.23 | Aflatoxin G2 (ppb) | LC-MS/MS | **0682** | <0.5 | <0.5 | **<0.5** | | | | | 6 |
| 604.23 | Aflatoxin G2 (ppb) | LC-MS/MS | **0009** | <0.68 | <0.68 | **<0.68** | | | | | 6 |
| 604.23 | Aflatoxin G2 (ppb) | LC-MS/MS | **2023** | <0.9 | <0.9 | **<0.9** | | | | | 6 |
| 604.23 | Aflatoxin G2 (ppb) | LC-MS/MS | **0870** | <1 | <1 | **<1** | | | | | 6 |
| 604.23 | Aflatoxin G2 (ppb) | LC-MS/MS | **0964** | <1 | <1 | **<1** | | | | | 6 |
| 604.23 | Aflatoxin G2 (ppb) | LC-MS/MS | **0202** | <1 | <1 | **<1** | | | | | 6 |
| 604.23 | Aflatoxin G2 (ppb) | LC-MS/MS | **0913** | <1 | <1 | **<1** | | | | | 6 |
| 604.20 | Aflatoxin G2 (ppb) | LC | **2066** | <1.7 | <1.7 | **<1.7** | | | | | 6 |
| 604.23 | Aflatoxin G2 (ppb) | LC-MS/MS | **0242** | <2 | <2 | **<2** | | | | | 6 |
| 604.23 | Aflatoxin G2 (ppb) | LC-MS/MS | **2140** | <20 | <20 | **<20** | | | | | 6 |
| 604.23 | Aflatoxin G2 (ppb) | LC-MS/MS | **0148** | <3 | <3 | **<3** | | | | | 6 |
| 604.24 | Aflatoxin G2 (ppb) | Vicam Aflatest, LC-Fl | **0098** | <5 | <5 | **<5** | | | | | 6 |
| 604.23 | Aflatoxin G2 (ppb) | LC-MS/MS | **0028** | 0 | 0 | **0** | | | | | 5 |
| 604.23 | Aflatoxin G2 (ppb) | LC-MS/MS | **0297** | 0 | 0 | **0** | | | | | 5 |
| | | | | **Deoxynivalenol (ppb)** | | | | | | | |
| 610.20 | Deoxynivalenol (ppb) | LC | **0910** | 0.739 | 0.719 | **0.729** | **-3.26** | 917.8 | 280.9 | 47 | |

| Code | Analyte | Method | Lab Code | Result1 | Result2 | [1] Lab Value | [2] Z score | [3] Robust Stats | | | [4] Flag |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Robust Mean | ffp StDev | n used | |
| 610.02 | Deoxynivalenol (ppb) | Neogen Veratox for DON HS | **0089** | 1.4 | 1.4 | **1.4** | **-3.26** | 917.8 | 280.9 | 47 | 7 |
| 610.23 | Deoxynivalenol (ppb) | LC-MS/MS | **0043** | 270.5 | 302.1 | **286.3** | **-2.25** | 917.8 | 280.9 | 47 | |
| 610.23 | Deoxynivalenol (ppb) | LC-MS/MS | **0553** | 361.6 | 466.6 | **414.1** | **-1.79** | 917.8 | 280.9 | 47 | |
| 610.23 | Deoxynivalenol (ppb) | LC-MS/MS | **2023** | 510 | 450 | **480** | **-1.56** | 917.8 | 280.9 | 47 | |
| 610.23 | Deoxynivalenol (ppb) | LC-MS/MS | **2129** | 511 | 562 | **536.5** | **-1.36** | 917.8 | 280.9 | 47 | |
| 610.23 | Deoxynivalenol (ppb) | LC-MS/MS | **0202** | 560 | 515 | **537.5** | **-1.35** | 917.8 | 280.9 | 47 | |
| 610.98 | Deoxynivalenol (ppb) | Other Rapid Test Kit | **0511** | 555 | 568 | **561.5** | **-1.27** | 917.8 | 280.9 | 47 | |
| 610.23 | Deoxynivalenol (ppb) | LC-MS/MS | **0242** | 575 | 579 | **577** | **-1.21** | 917.8 | 280.9 | 47 | |
| 610.99 | Deoxynivalenol (ppb) | Miscellaneous | **0870** | 600 | 580 | **590** | **-1.17** | 917.8 | 280.9 | 47 | |
| 610.99 | Deoxynivalenol (ppb) | Miscellaneous | **0015** | 630 | 631.229 | **630.6** | **-1.02** | 917.8 | 280.9 | 47 | |
| 610.01 | Deoxynivalenol (ppb) | Neogen Veratox for DON | **0529** | 700 | 600 | **650** | **-0.95** | 917.8 | 280.9 | 47 | |
| 610.04 | Deoxynivalenol (ppb) | Charm ROSA Fast 5 DON Quant | **2147** | 600 | 760 | **680** | **-0.85** | 917.8 | 280.9 | 47 | |
| 610.23 | Deoxynivalenol (ppb) | LC-MS/MS | **0353** | 647.13 | 870.4 | **758.8** | **-0.57** | 917.8 | 280.9 | 47 | |
| 610.22 | Deoxynivalenol (ppb) | LC-MS | **2268** | 859 | 786 | **822.5** | **-0.34** | 917.8 | 280.9 | 47 | |
| 610.23 | Deoxynivalenol (ppb) | LC-MS/MS | **0572** | 810 | 840 | **825** | **-0.33** | 917.8 | 280.9 | 47 | |
| 610.23 | Deoxynivalenol (ppb) | LC-MS/MS | **2326** | 822 | 833 | **827.5** | **-0.32** | 917.8 | 280.9 | 47 | |
| 610.23 | Deoxynivalenol (ppb) | LC-MS/MS | **2055** | 848.9 | 822.7 | **835.8** | **-0.29** | 917.8 | 280.9 | 47 | |
| 610.23 | Deoxynivalenol (ppb) | LC-MS/MS | **0964** | 873 | 877.8 | **875.4** | **-0.15** | 917.8 | 280.9 | 47 | |
| 610.07 | Deoxynivalenol (ppb) | r-Biopharm Ridascreen FAST DON | **0407** | 831 | 981 | **906** | **-0.04** | 917.8 | 280.9 | 47 | |
| 610.99 | Deoxynivalenol (ppb) | Miscellaneous | **2302** | 875.12 | 955.19 | **915.2** | **-0.01** | 917.8 | 280.9 | 47 | |
| 610.23 | Deoxynivalenol (ppb) | LC-MS/MS | **0028** | 941.151 | 898.337 | **919.7** | **0.01** | 917.8 | 280.9 | 47 | |
| 610.09 | Deoxynivalenol (ppb) | Vicam DON-V | **0278** | 1000 | 900 | **950** | **0.11** | 917.8 | 280.9 | 47 | |
| 610.20 | Deoxynivalenol (ppb) | LC | **0098** | 900 | 1000 | **950** | **0.11** | 917.8 | 280.9 | 47 | |
| 610.23 | Deoxynivalenol (ppb) | LC-MS/MS | **2140** | 981 | 933 | **957** | **0.14** | 917.8 | 280.9 | 47 | |
| 610.20 | Deoxynivalenol (ppb) | LC | **0674** | 960 | 960 | **960** | **0.15** | 917.8 | 280.9 | 47 | 7 |
| 610.23 | Deoxynivalenol (ppb) | LC-MS/MS | **2529** | 958.4 | 972.7 | **965.6** | **0.17** | 917.8 | 280.9 | 47 | |

| Code | Analyte | Method | Lab Code | Result1 | Result2 | [1] Lab Value | [2] Z score | [3] Robust Stats: Robust Mean | ffp StDev | n used | [4] Flag |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 610.23 | Deoxynivalenol (ppb) | LC-MS/MS | **0010** | 959 | 983 | **971** | **0.19** | 917.8 | 280.9 | 47 | |
| 610.20 | Deoxynivalenol (ppb) | LC | **2196** | 989.3 | 989.3 | **989.3** | **0.25** | 917.8 | 280.9 | 47 | 7 |
| 610.23 | Deoxynivalenol (ppb) | LC-MS/MS | **0148** | 1049.93 | 977.03 | **1013** | **0.34** | 917.8 | 280.9 | 47 | |
| 610.08 | Deoxynivalenol (ppb) | r-Biopharm Ridascreen FAST DON | **0066** | 900 | 1200 | **1050** | **0.47** | 917.8 | 280.9 | 47 | |
| 610.23 | Deoxynivalenol (ppb) | LC-MS/MS | **0682** | 1050 | 1050 | **1050** | **0.47** | 917.8 | 280.9 | 47 | 7 |
| 610.05 | Deoxynivalenol (ppb) | Romer AgraQuant DON | **2196** | 1100 | 1100 | **1100** | **0.65** | 917.8 | 280.9 | 47 | 7 |
| 610.23 | Deoxynivalenol (ppb) | LC-MS/MS | **0297** | 1070 | 1150 | **1110** | **0.68** | 917.8 | 280.9 | 47 | |
| 610.07 | Deoxynivalenol (ppb) | r-Biopharm Ridascreen FAST DON | **0629** | 1116 | 1137 | **1126** | **0.74** | 917.8 | 280.9 | 47 | |
| 610.01 | Deoxynivalenol (ppb) | Neogen Veratox for DON | **0918** | 1126 | 1134 | **1130** | **0.76** | 917.8 | 280.9 | 47 | |
| 610.23 | Deoxynivalenol (ppb) | LC-MS/MS | **0870** | 1100 | 1180 | **1140** | **0.79** | 917.8 | 280.9 | 47 | |
| 610.01 | Deoxynivalenol (ppb) | Neogen Veratox for DON | **2192** | 1180 | 1180 | **1180** | **0.93** | 917.8 | 280.9 | 47 | 7 |
| 610.01 | Deoxynivalenol (ppb) | Neogen Veratox for DON | **0227** | 1300 | 1100 | **1200** | **1.00** | 917.8 | 280.9 | 47 | |
| 610.01 | Deoxynivalenol (ppb) | Neogen Veratox for DON | **0042** | 1300 | 1200 | **1250** | **1.18** | 917.8 | 280.9 | 47 | |
| 610.20 | Deoxynivalenol (ppb) | LC | **0001** | 1238 | 1289 | **1264** | **1.23** | 917.8 | 280.9 | 47 | |
| 610.01 | Deoxynivalenol (ppb) | Neogen Veratox for DON | **0208** | 1340 | 1240 | **1290** | **1.32** | 917.8 | 280.9 | 47 | |
| 610.01 | Deoxynivalenol (ppb) | Neogen Veratox for DON | **0027** | 1400 | 1200 | **1300** | **1.36** | 917.8 | 280.9 | 47 | |
| 610.01 | Deoxynivalenol (ppb) | Neogen Veratox for DON | **0034** | 1350 | 1350 | **1350** | **1.54** | 917.8 | 280.9 | 47 | 7 |
| 610.23 | Deoxynivalenol (ppb) | LC-MS/MS | **0913** | 1300 | 1500 | **1400** | **1.72** | 917.8 | 280.9 | 47 | |
| 610.25 | Deoxynivalenol (ppb) | GC-MS | **0563** | 1546.30 | 1486.92 | **1517** | **2.13** | 917.8 | 280.9 | 47 | |
| 610.23 | Deoxynivalenol (ppb) | LC-MS/MS | **0009** | 1664.08 | 1677.54 | **1671** | **2.68** | 917.8 | 280.9 | 47 | |
| 610.07 | Deoxynivalenol (ppb) | r-Biopharm Ridascreen FAST DON | **2066** | 3930 | 4250 | **4090** | **11.29** | 917.8 | 280.9 | 47 | 2 |
| | | | | | | **Total Fumonisin (ppb)** | | | | | |
| 620.02 | Total Fumonisin (ppb) | Neogen Veratox Fumonisin 5/10 | **0529** | <1000 | <1000 | **<1000** | | 631.9 | 195.4 | 24 | 6 |
| 620.07 | Total Fumonisin (ppb) | Romer AgraQuant Total Fumonisin | **0227** | <1000 | <1000 | **<1000** | | 631.9 | 195.4 | 24 | 6 |
| 620.03 | Total Fumonisin (ppb) | Neogen Veratox Fumonisin HS | **0089** | 0.65 | 0.485 | **0.5675** | **-3.23** | 631.9 | 195.4 | 24 | |

| Code | Analyte | Method | Lab Code | Result1 | Result2 | [1] Lab Value | [2] Z score | [3] Robust Stats | | | [4] Flag |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Robust Mean | ffp StDev | n used | |
| 620.99 | Total Fumonisin (ppb) | Miscellaneous | **2302** | 303.06 | 392.38 | **347.7** | **-1.45** | 631.9 | 195.4 | 24 | |
| 620.12 | Total Fumonisin (ppb) | Vicam Fumonitest 200 | **0520** | 390 | 390 | **390** | **-1.24** | 631.9 | 195.4 | 24 | 7 |
| 620.01 | Total Fumonisin (ppb) | Neogen Veratox Fumonisin | **0042** | 400 | 400 | **400** | **-1.19** | 631.9 | 195.4 | 24 | 7 |
| 620.07 | Total Fumonisin (ppb) | Romer AgraQuant Total Fumonisin | **0674** | 460 | 460 | **460** | **-0.88** | 631.9 | 195.4 | 24 | 7 |
| 620.01 | Total Fumonisin (ppb) | Neogen Veratox Fumonisin | **0027** | 520 | 417 | **468.5** | **-0.84** | 631.9 | 195.4 | 24 | |
| 620.99 | Total Fumonisin (ppb) | Miscellaneous | **0015** | 476.519 | 505.116 | **490.8** | **-0.72** | 631.9 | 195.4 | 24 | |
| 620.11 | Total Fumonisin (ppb) | Vicam Fumonitest | **0098** | 500 | 500 | **500** | **-0.68** | 631.9 | 195.4 | 24 | 7 |
| 620.01 | Total Fumonisin (ppb) | Neogen Veratox Fumonisin | **0034** | 500 | 510 | **505** | **-0.65** | 631.9 | 195.4 | 24 | |
| 620.23 | Total Fumonisin (ppb) | LC-MS/MS | **0010** | 580 | 570 | **575** | **-0.29** | 631.9 | 195.4 | 24 | |
| 620.23 | Total Fumonisin (ppb) | LC-MS/MS | **0682** | 630 | 630 | **630** | **-0.01** | 631.9 | 195.4 | 24 | 7 |
| 620.09 | Total Fumonisin (ppb) | r-Biopharm Ridascreen FAST FUM | **2226** | 696 | 630 | **663** | **0.16** | 631.9 | 195.4 | 24 | |
| 620.11 | Total Fumonisin (ppb) | Vicam Fumonitest | **2268** | 690 | 660 | **675** | **0.22** | 631.9 | 195.4 | 24 | |
| 620.01 | Total Fumonisin (ppb) | Neogen Veratox Fumonisin | **0918** | 720 | 652 | **686** | **0.28** | 631.9 | 195.4 | 24 | |
| 620.04 | Total Fumonisin (ppb) | Charm ROSA Fast 5 FUMQ | **2147** | 780 | 670 | **725** | **0.48** | 631.9 | 195.4 | 24 | |
| 620.98 | Total Fumonisin (ppb) | Other Rapid Test Kit | **0511** | 680 | 800 | **740** | **0.55** | 631.9 | 195.4 | 24 | |
| 620.09 | Total Fumonisin (ppb) | r-Biopharm Ridascreen FAST FUM | **0066** | 700 | 800 | **750** | **0.60** | 631.9 | 195.4 | 24 | |
| 620.23 | Total Fumonisin (ppb) | LC-MS/MS | **0353** | 701 | 827.2 | **764.1** | **0.68** | 631.9 | 195.4 | 24 | |
| 620.23 | Total Fumonisin (ppb) | LC-MS/MS | **0297** | 820 | 720 | **770** | **0.71** | 631.9 | 195.4 | 24 | |
| 620.09 | Total Fumonisin (ppb) | r-Biopharm Ridascreen FAST FUM | **0407** | 665 | 933 | **799** | **0.86** | 631.9 | 195.4 | 24 | |
| 620.23 | Total Fumonisin (ppb) | LC-MS/MS | **0202** | 805 | 795 | **800** | **0.86** | 631.9 | 195.4 | 24 | |
| 620.23 | Total Fumonisin (ppb) | LC-MS/MS | **2529** | 904.2 | 800.9 | **852.6** | **1.13** | 631.9 | 195.4 | 24 | |
| 620.23 | Total Fumonisin (ppb) | LC-MS/MS | **2129** | 880 | 941 | **910.5** | **1.43** | 631.9 | 195.4 | 24 | |
| 620.98 | Total Fumonisin (ppb) | Other Rapid Test Kit | **0208** | 990 | 1400 | **1195** | **2.88** | 631.9 | 195.4 | 24 | 1 |
| 620.01 | Total Fumonisin (ppb) | Neogen Veratox Fumonisin | **2192** | 1570 | 1570 | **1570** | **4.80** | 631.9 | 195.4 | 24 | 7 |

## Fumonsin B1 (ppb)

| Code | Analyte | Method | Lab Code | Result1 | Result2 | [1] Lab Value | [2] Z score | [3] Robust Stats: Robust Mean | ffp StDev | n used | [4] Flag |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 621.23 | Fumonsin B1 (ppb) | LC-MS/MS | **0572** | <500 | <500 | **<500** | | 432.8 | 135.2 | 20 | 6 |
| 621.23 | Fumonsin B1 (ppb) | LC-MS/MS | **2055** | 177.7 | 221.2 | **199.4** | **-1.73** | 432.8 | 135.2 | 20 | |
| 621.21 | Fumonsin B1 (ppb) | LC-Fl OPA der. | **0098** | 300 | 300 | **300** | **-0.98** | 432.8 | 135.2 | 20 | 7 |
| 621.23 | Fumonsin B1 (ppb) | LC-MS/MS | **2140** | 321 | 312 | **316.5** | **-0.86** | 432.8 | 135.2 | 20 | |
| 621.23 | Fumonsin B1 (ppb) | LC-MS/MS | **0043** | 285.6 | 350.7 | **318.2** | **-0.85** | 432.8 | 135.2 | 20 | |
| 621.23 | Fumonsin B1 (ppb) | LC-MS/MS | **0009** | 335.009 | 351.097 | **343.1** | **-0.66** | 432.8 | 135.2 | 20 | |
| 621.23 | Fumonsin B1 (ppb) | LC-MS/MS | **0964** | 386 | 399 | **392.5** | **-0.30** | 432.8 | 135.2 | 20 | |
| 621.23 | Fumonsin B1 (ppb) | LC-MS/MS | **0148** | 398.34 | 397.98 | **398.2** | **-0.26** | 432.8 | 135.2 | 20 | |
| 621.23 | Fumonsin B1 (ppb) | LC-MS/MS | **0010** | 410 | 400 | **405** | **-0.21** | 432.8 | 135.2 | 20 | |
| 621.23 | Fumonsin B1 (ppb) | LC-MS/MS | **0553** | 422.7 | 424.7 | **423.7** | **-0.07** | 432.8 | 135.2 | 20 | |
| 621.23 | Fumonsin B1 (ppb) | LC-MS/MS | **0913** | 400 | 500 | **450** | **0.13** | 432.8 | 135.2 | 20 | |
| 621.21 | Fumonsin B1 (ppb) | LC-Fl OPA der. | **0910** | 462 | 450 | **456** | **0.17** | 432.8 | 135.2 | 20 | |
| 621.23 | Fumonsin B1 (ppb) | LC-MS/MS | **2326** | 494 | 426 | **460** | **0.20** | 432.8 | 135.2 | 20 | |
| 621.23 | Fumonsin B1 (ppb) | LC-MS/MS | **0870** | 440 | 480 | **460** | **0.20** | 432.8 | 135.2 | 20 | |
| 621.23 | Fumonsin B1 (ppb) | LC-MS/MS | **0028** | 448.936 | 506.239 | **477.6** | **0.33** | 432.8 | 135.2 | 20 | |
| 621.23 | Fumonsin B1 (ppb) | LC-MS/MS | **0682** | 490 | 490 | **490** | **0.42** | 432.8 | 135.2 | 20 | 7 |
| 621.23 | Fumonsin B1 (ppb) | LC-MS/MS | **0297** | 550 | 440 | **495** | **0.46** | 432.8 | 135.2 | 20 | |
| 621.23 | Fumonsin B1 (ppb) | LC-MS/MS | **2023** | 502 | 509 | **505.5** | **0.54** | 432.8 | 135.2 | 20 | |
| 621.20 | Fumonsin B1 (ppb) | LC | **2196** | 516.44 | 516.44 | **516.4** | **0.62** | 432.8 | 135.2 | 20 | 7 |
| 621.23 | Fumonsin B1 (ppb) | LC-MS/MS | **0202** | 565 | 600 | **582.5** | **1.11** | 432.8 | 135.2 | 20 | |
| 621.20 | Fumonsin B1 (ppb) | LC | **0563** | 614.348 | 608.331 | **611.3** | **1.32** | 432.8 | 135.2 | 20 | |
| 621.23 | Fumonsin B1 (ppb) | LC-MS/MS | **0353** | 576 | 808.8 | **692.4** | **1.92** | 432.8 | 135.2 | 20 | 1 |
| 621.23 | Fumonsin B1 (ppb) | LC-MS/MS | **0242** | 15035 | 14856 | **14950** | **>100** | 432.8 | 135.2 | 20 | 2 |

| Code | Analyte | Method | Lab Code | Result1 | Result2 | [1] Lab Value | [2] Z score | [3] Robust Stats: Robust Mean | ffp StDev | n used | [4] Flag |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Fumonisin B2 (ppb)** | | | | | | | | | | | |
| 622.23 | Fumonisin B2 (ppb) | LC-MS/MS | **2140** | <200 | <200 | **<200** | | 132.6 | 42.76 | 17 | 6 |
| 622.23 | Fumonisin B2 (ppb) | LC-MS/MS | **0028** | 0 | 0 | **0** | | 132.6 | 42.76 | 17 | 5 |
| 622.23 | Fumonisin B2 (ppb) | LC-MS/MS | **0353** | 13.64 | 18.4 | **16.02** | **-2.73** | 132.6 | 42.76 | 17 | |
| 622.23 | Fumonisin B2 (ppb) | LC-MS/MS | **2326** | 52 | 51 | **51.5** | **-1.90** | 132.6 | 42.76 | 17 | |
| 622.23 | Fumonisin B2 (ppb) | LC-MS/MS | **0043** | 58.14 | 65.69 | **61.92** | **-1.65** | 132.6 | 42.76 | 17 | |
| 622.23 | Fumonisin B2 (ppb) | LC-MS/MS | **0913** | 100 | 100 | **100** | **-0.76** | 132.6 | 42.76 | 17 | 7 |
| 622.23 | Fumonisin B2 (ppb) | LC-MS/MS | **0010** | 110 | 110 | **110** | **-0.53** | 132.6 | 42.76 | 17 | 7 |
| 622.21 | Fumonisin B2 (ppb) | LC-Fl OPA der. | **0910** | 127 | 127 | **127** | **-0.13** | 132.6 | 42.76 | 17 | 7 |
| 622.23 | Fumonisin B2 (ppb) | LC-MS/MS | **0009** | 124.389 | 131.954 | **128.2** | **-0.10** | 132.6 | 42.76 | 17 | |
| 622.23 | Fumonisin B2 (ppb) | LC-MS/MS | **0297** | 110 | 160 | **135** | **0.06** | 132.6 | 42.76 | 17 | |
| 622.23 | Fumonisin B2 (ppb) | LC-MS/MS | **2023** | 130 | 140 | **135** | **0.06** | 132.6 | 42.76 | 17 | |
| 622.23 | Fumonisin B2 (ppb) | LC-MS/MS | **0553** | 159 | 117.6 | **138.3** | **0.13** | 132.6 | 42.76 | 17 | |
| 622.23 | Fumonisin B2 (ppb) | LC-MS/MS | **0870** | 140 | 140 | **140** | **0.17** | 132.6 | 42.76 | 17 | 7 |
| 622.23 | Fumonisin B2 (ppb) | LC-MS/MS | **0682** | 140 | 140 | **140** | **0.17** | 132.6 | 42.76 | 17 | 7 |
| 622.23 | Fumonisin B2 (ppb) | LC-MS/MS | **0148** | 148.2 | 155.13 | **151.7** | **0.45** | 132.6 | 42.76 | 17 | |
| 622.20 | Fumonisin B2 (ppb) | LC | **2196** | 155.94 | 155.94 | **155.9** | **0.55** | 132.6 | 42.76 | 17 | 7 |
| 622.21 | Fumonisin B2 (ppb) | LC-Fl OPA der. | **0098** | 200 | 200 | **200** | **1.58** | 132.6 | 42.76 | 17 | 7 |
| 622.23 | Fumonisin B2 (ppb) | LC-MS/MS | **0964** | 214 | 214 | **214** | **1.90** | 132.6 | 42.76 | 17 | 7 |
| 622.23 | Fumonisin B2 (ppb) | LC-MS/MS | **0202** | 240 | 195 | **217.5** | **1.99** | 132.6 | 42.76 | 17 | |
| 622.23 | Fumonisin B2 (ppb) | LC-MS/MS | **0242** | 3294 | 3297 | **3296** | **73.97** | 132.6 | 42.76 | 17 | 2 |
| **Fumonisin B3 (ppb)** | | | | | | | | | | | |
| 623.23 | Fumonisin B3 (ppb) | LC-MS/MS | **0202** | <100 | <100 | **<100** | | 60.44 | 19.92 | 6 | 6 |
| 623.23 | Fumonisin B3 (ppb) | LC-MS/MS | **0913** | <100 | <100 | **<100** | | 60.44 | 19.92 | 6 | 6 |

| Code | Analyte | Method | Lab Code | Result1 | Result2 | [1] Lab Value | [2] Z score | [3] Robust Stats: Robust Mean | ffp StDev | n used | [4] Flag |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 623.23 | Fumonisin B3 (ppb) | LC-MS/MS | **0964** | <200 | <200 | **<200** | | 60.44 | 19.92 | 6 | 6 |
| 623.23 | Fumonisin B3 (ppb) | LC-MS/MS | **2326** | 32 | 20 | **26** | **-1.73** | 60.44 | 19.92 | 6 | |
| 623.23 | Fumonisin B3 (ppb) | LC-MS/MS | **2023** | 46 | 51 | **48.5** | **-0.60** | 60.44 | 19.92 | 6 | |
| 623.23 | Fumonisin B3 (ppb) | LC-MS/MS | **0010** | 60 | 60 | **60** | **-0.02** | 60.44 | 19.92 | 6 | 7 |
| 623.23 | Fumonisin B3 (ppb) | LC-MS/MS | **0553** | 62.81 | 59.6 | **61.2** | **0.04** | 60.44 | 19.92 | 6 | |
| 623.23 | Fumonisin B3 (ppb) | LC-MS/MS | **0009** | 68.864 | 65.046 | **66.96** | **0.33** | 60.44 | 19.92 | 6 | |
| 623.23 | Fumonisin B3 (ppb) | LC-MS/MS | **0870** | 100 | 100 | **100** | **1.99** | 60.44 | 19.92 | 6 | 7 |
| 623.23 | Fumonisin B3 (ppb) | LC-MS/MS | **0297** | 160 | 120 | **140** | **3.99** | 60.44 | 19.92 | 6 | 1 |

## Ochratoxin A (ppb)

| Code | Analyte | Method | Lab Code | Result1 | Result2 | [1] Lab Value | [2] Z score | [3] Robust Stats: Robust Mean | ffp StDev | n used | [4] Flag |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 630.01 | Ochratoxin A (ppb) | Neogen Veratox Ochratoxin | **0918** | 3.35 | 3.71 | **3.53** | **-2.40** | 19.26 | 6.545 | 38 | |
| 630.01 | Ochratoxin A (ppb) | Neogen Veratox Ochratoxin | **0227** | 5 | 3 | **4** | **-2.33** | 19.26 | 6.545 | 38 | |
| 630.23 | Ochratoxin A (ppb) | LC-MS/MS | **2326** | 7 | 5 | **6** | **-2.03** | 19.26 | 6.545 | 38 | |
| 630.23 | Ochratoxin A (ppb) | LC-MS/MS | **2529** | 9.1 | 7.7 | **8.4** | **-1.66** | 19.26 | 6.545 | 38 | |
| 630.99 | Ochratoxin A (ppb) | Miscellaneous | **2302** | 11.77 | 11.74 | **11.76** | **-1.15** | 19.26 | 6.545 | 38 | |
| 630.06 | Ochratoxin A (ppb) | Vicam OchraTest | **2199** | 14 | 11 | **12.5** | **-1.03** | 19.26 | 6.545 | 38 | |
| 630.23 | Ochratoxin A (ppb) | LC-MS/MS | **0553** | 9.64 | 17.13 | **13.38** | **-0.90** | 19.26 | 6.545 | 38 | |
| 630.23 | Ochratoxin A (ppb) | LC-MS/MS | **0870** | 17.32 | 10.14 | **13.73** | **-0.84** | 19.26 | 6.545 | 38 | |
| 630.04 | Ochratoxin A (ppb) | r-Biopharm Ridascreen Ochratoxin A | **2066** | 15.89 | 11.96 | **13.92** | **-0.81** | 19.26 | 6.545 | 38 | |
| 630.05 | Ochratoxin A (ppb) | r-Biopharm Ridascreen FAST Och A | **2226** | 14.023 | 14.018 | **14.02** | **-0.80** | 19.26 | 6.545 | 38 | |
| 630.20 | Ochratoxin A (ppb) | LC | **2066** | 15.34 | 15.31 | **15.32** | **-0.60** | 19.26 | 6.545 | 38 | |
| 630.23 | Ochratoxin A (ppb) | LC-MS/MS | **2023** | 18 | 15.4 | **16.7** | **-0.39** | 19.26 | 6.545 | 38 | |
| 630.23 | Ochratoxin A (ppb) | LC-MS/MS | **0682** | 16.7 | 16.7 | **16.7** | **-0.39** | 19.26 | 6.545 | 38 | 7 |
| 630.23 | Ochratoxin A (ppb) | LC-MS/MS | **2055** | 18.3 | 15.7 | **17** | **-0.34** | 19.26 | 6.545 | 38 | |
| 630.99 | Ochratoxin A (ppb) | Miscellaneous | **0015** | 15.8987 | 18.3607 | **17.13** | **-0.32** | 19.26 | 6.545 | 38 | |
| 630.23 | Ochratoxin A (ppb) | LC-MS/MS | **0202** | 18.1 | 16.3 | **17.2** | **-0.31** | 19.26 | 6.545 | 38 | |

| Code | Analyte | Method | Lab Code | Result1 | Result2 | [1] Lab Value | [2] Z score | [3] Robust Stats: Robust Mean | ffp StdDev | n used | [4] Flag |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 630.21 | Ochratoxin A (ppb) | LC-PCD Fl | **0910** | 17.3 | 17.4 | **17.35** | **-0.29** | 19.26 | 6.545 | 38 | |
| 630.06 | Ochratoxin A (ppb) | Vicam OchraTest | **0520** | 19 | 17 | **18** | **-0.19** | 19.26 | 6.545 | 38 | |
| 630.20 | Ochratoxin A (ppb) | LC | **2192** | 18.6 | 19 | **18.8** | **-0.07** | 19.26 | 6.545 | 38 | |
| 630.23 | Ochratoxin A (ppb) | LC-MS/MS | **0353** | 19 | 21.05 | **20.02** | **0.12** | 19.26 | 6.545 | 38 | |
| 630.20 | Ochratoxin A (ppb) | LC | **2322** | 19.94 | 20.5 | **20.22** | **0.15** | 19.26 | 6.545 | 38 | |
| 630.20 | Ochratoxin A (ppb) | LC | **2369** | 20.6 | 20.54 | **20.57** | **0.20** | 19.26 | 6.545 | 38 | |
| 630.06 | Ochratoxin A (ppb) | Vicam OchraTest | **2369** | 20.6 | 20.54 | **20.57** | **0.20** | 19.26 | 6.545 | 38 | |
| 630.23 | Ochratoxin A (ppb) | LC-MS/MS | **0043** | 24.22 | 17.53 | **20.88** | **0.25** | 19.26 | 6.545 | 38 | |
| 630.23 | Ochratoxin A (ppb) | LC-MS/MS | **0010** | 22.4 | 19.4 | **20.9** | **0.25** | 19.26 | 6.545 | 38 | |
| 630.04 | Ochratoxin A (ppb) | r-Biopharm Ridascreen Ochratoxin A | **0407** | 24.96 | 19.13 | **22.04** | **0.43** | 19.26 | 6.545 | 38 | |
| 630.23 | Ochratoxin A (ppb) | LC-MS/MS | **0148** | 22.76 | 22.39 | **22.58** | **0.51** | 19.26 | 6.545 | 38 | |
| 630.20 | Ochratoxin A (ppb) | LC | **2196** | 22.87 | 22.87 | **22.87** | **0.55** | 19.26 | 6.545 | 38 | 7 |
| 630.23 | Ochratoxin A (ppb) | LC-MS/MS | **2140** | 24 | 22 | **23** | **0.57** | 19.26 | 6.545 | 38 | |
| 630.23 | Ochratoxin A (ppb) | LC-MS/MS | **0297** | 24 | 23 | **23.5** | **0.65** | 19.26 | 6.545 | 38 | |
| 630.05 | Ochratoxin A (ppb) | r-Biopharm Ridascreen FAST Och A | **0066** | 25.8 | 23.8 | **24.8** | **0.85** | 19.26 | 6.545 | 38 | |
| 630.20 | Ochratoxin A (ppb) | LC | **0674** | 25.95 | 25.95 | **25.95** | **1.02** | 19.26 | 6.545 | 38 | 7 |
| 630.01 | Ochratoxin A (ppb) | Neogen Veratox Ochratoxin | **0529** | 25.4 | 27.9 | **26.65** | **1.13** | 19.26 | 6.545 | 38 | |
| 630.23 | Ochratoxin A (ppb) | LC-MS/MS | **0572** | 34 | 25 | **29.5** | **1.57** | 19.26 | 6.545 | 38 | |
| 630.23 | Ochratoxin A (ppb) | LC-MS/MS | **0913** | 29.8 | 33.8 | **31.8** | **1.92** | 19.26 | 6.545 | 38 | |
| 630.23 | Ochratoxin A (ppb) | LC-MS/MS | **2129** | 30.3 | 33.9 | **32.1** | **1.96** | 19.26 | 6.545 | 38 | |
| 630.23 | Ochratoxin A (ppb) | LC-MS/MS | **0964** | 31 | 34 | **32.5** | **2.02** | 19.26 | 6.545 | 38 | |
| 630.20 | Ochratoxin A (ppb) | LC | **0563** | 40.2406 | 40.3256 | **40.28** | **3.21** | 19.26 | 6.545 | 38 | |
| | | | | | **T-2 Toxin (ppb)** | | | | | | |
| 640.25 | T-2 Toxin (ppb) | GC-MS | **0563** | <20 | <20 | **<20** | | 88.2 | 28.76 | 23 | 6 |
| 640.23 | T-2 Toxin (ppb) | LC-MS/MS | **2326** | 25 | 27 | **26** | **-2.16** | 88.2 | 28.76 | 23 | |

| Code | Analyte | Method | Lab Code | Result1 | Result2 | [1] Lab Value | [2] Z score | [3] Robust Stats Robust Mean | ffp StDev | n used | [4] Flag |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 640.23 | T-2 Toxin (ppb) | LC-MS/MS | **2529** | 27.7 | 28.7 | **28.2** | **-2.09** | 88.2 | 28.76 | 23 | |
| 640.23 | T-2 Toxin (ppb) | LC-MS/MS | **0202** | 41.1 | 60.8 | **50.95** | **-1.29** | 88.2 | 28.76 | 23 | |
| 640.23 | T-2 Toxin (ppb) | LC-MS/MS | **2023** | 56 | 58 | **57** | **-1.08** | 88.2 | 28.76 | 23 | |
| 640.23 | T-2 Toxin (ppb) | LC-MS/MS | **0964** | 62 | 58 | **60** | **-0.98** | 88.2 | 28.76 | 23 | |
| 640.03 | T-2 Toxin (ppb) | Romer AgraQuant T-2 | **0674** | 67.69 | 67.69 | **67.69** | **-0.71** | 88.2 | 28.76 | 23 | 7 |
| 640.23 | T-2 Toxin (ppb) | LC-MS/MS | **2055** | 69.6 | 76.5 | **73.05** | **-0.53** | 88.2 | 28.76 | 23 | |
| 640.23 | T-2 Toxin (ppb) | LC-MS/MS | **0870** | 87.22 | 69.42 | **78.32** | **-0.34** | 88.2 | 28.76 | 23 | |
| 640.99 | T-2 Toxin (ppb) | Miscellaneous | **2302** | 79.73 | 77.68 | **78.7** | **-0.33** | 88.2 | 28.76 | 23 | |
| 640.23 | T-2 Toxin (ppb) | LC-MS/MS | **0682** | 82 | 82 | **82** | **-0.22** | 88.2 | 28.76 | 23 | 7 |
| 640.23 | T-2 Toxin (ppb) | LC-MS/MS | **0913** | 83.3 | 83.8 | **83.55** | **-0.16** | 88.2 | 28.76 | 23 | |
| 640.99 | T-2 Toxin (ppb) | Miscellaneous | **0015** | 86.987 | 82.669 | **84.83** | **-0.12** | 88.2 | 28.76 | 23 | |
| 640.23 | T-2 Toxin (ppb) | LC-MS/MS | **0297** | 104.79 | 75.42 | **90.1** | **0.07** | 88.2 | 28.76 | 23 | |
| 640.21 | T-2 Toxin (ppb) | LC-PCD Fl | **0910** | 94.08 | 87.32 | **90.7** | **0.09** | 88.2 | 28.76 | 23 | |
| 640.23 | T-2 Toxin (ppb) | LC-MS/MS | **2369** | 93.04 | 93.59 | **93.32** | **0.18** | 88.2 | 28.76 | 23 | |
| 640.20 | T-2 Toxin (ppb) | LC | **2196** | 95.08 | 95.08 | **95.08** | **0.24** | 88.2 | 28.76 | 23 | 7 |
| 640.23 | T-2 Toxin (ppb) | LC-MS/MS | **2129** | 111 | 99 | **105** | **0.58** | 88.2 | 28.76 | 23 | |
| 640.23 | T-2 Toxin (ppb) | LC-MS/MS | **0148** | 108.43 | 105.19 | **106.8** | **0.65** | 88.2 | 28.76 | 23 | |
| 640.23 | T-2 Toxin (ppb) | LC-MS/MS | **0572** | 110 | 140 | **125** | **1.28** | 88.2 | 28.76 | 23 | |
| 640.23 | T-2 Toxin (ppb) | LC-MS/MS | **2140** | 98 | 152 | **125** | **1.28** | 88.2 | 28.76 | 23 | |
| 640.05 | T-2 Toxin (ppb) | r-Biopharm Ridascreen FAST T-2 | **0407** | 124.73 | 132.51 | **128.6** | **1.41** | 88.2 | 28.76 | 23 | |
| 640.23 | T-2 Toxin (ppb) | LC-MS/MS | **0353** | 127.08 | 166 | **146.5** | **2.03** | 88.2 | 28.76 | 23 | |
| 640.03 | T-2 Toxin (ppb) | Romer AgraQuant T-2 | **0066** | 219.6 | 171.2 | **195.4** | **3.73** | 88.2 | 28.76 | 23 | |

## HT-2 Toxin (ppb)

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 641.23 | HT-2 Toxin (ppb) | LC-MS/MS | **2140** | <200 | <200 | **<200** | | 12.81 | 4.401 | 5 | 6 |
| 641.23 | HT-2 Toxin (ppb) | LC-MS/MS | **0964** | <25 | <25 | **<25** | | 12.81 | 4.401 | 5 | 6 |

| Code | Analyte | Method | Lab Code | Result1 | Result2 | [1] Lab Value | [2] Z score | [3] Robust Stats Robust Mean | ffp StDev | n used | [4] Flag |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 641.21 | HT-2 Toxin (ppb) | LC post-col photochem der. Fl | **0910** | <30 | <30 | **<30** | | 12.81 | 4.401 | 5 | 6 |
| 641.23 | HT-2 Toxin (ppb) | LC-MS/MS | **0202** | <30 | <30 | **<30** | | 12.81 | 4.401 | 5 | 6 |
| 641.23 | HT-2 Toxin (ppb) | LC-MS/MS | **0353** | 8.3 | 3.3 | **5.8** | -1.59 | 12.81 | 4.401 | 5 | |
| 641.23 | HT-2 Toxin (ppb) | LC-MS/MS | **0297** | 7.01 | 6.78 | **6.895** | -1.34 | 12.81 | 4.401 | 5 | |
| 641.23 | HT-2 Toxin (ppb) | LC-MS/MS | **0148** | 9.42 | 10.55 | **9.985** | -0.64 | 12.81 | 4.401 | 5 | |
| 641.23 | HT-2 Toxin (ppb) | LC-MS/MS | **2326** | 6 | 18 | **12** | -0.18 | 12.81 | 4.401 | 5 | 1 |
| 641.23 | HT-2 Toxin (ppb) | LC-MS/MS | **0913** | 17.6 | 15.1 | **16.35** | 0.81 | 12.81 | 4.401 | 5 | |
| 641.23 | HT-2 Toxin (ppb) | LC-MS/MS | **0870** | 25 | 25 | **25** | 2.77 | 12.81 | 4.401 | 5 | 7 |
| | | | | | **T-2 Toxin + HT-2 Toxin (ppb)** | | | | | | |
| 642.04 | T-2 Toxin + HT-2 Toxin (ppb) | LC-MS | **0202** | 41.1 | 60.8 | **50.95** | **-1.48** | 98.48 | 32.02 | 9 | |
| 642.98 | T-2 Toxin + HT-2 Toxin (ppb) | Other Rapid Test Kit | **0629** | 81.1 | 76.3 | **78.7** | **-0.62** | 98.48 | 32.02 | 9 | |
| 642.04 | T-2 Toxin + HT-2 Toxin (ppb) | LC-MS | **0297** | 98 | 69 | **83.5** | **-0.47** | 98.48 | 32.02 | 9 | |
| 642.99 | T-2 Toxin + HT-2 Toxin (ppb) | Miscellaneous Technique | **0407** | 96.46 | 78.16 | **87.31** | **-0.35** | 98.48 | 32.02 | 9 | |
| 642.21 | T-2 Toxin + HT-2 Toxin (ppb) | Neogen Veratox T-2 + HT-2 | **0918** | 98.364 | 97.775 | **98.07** | **-0.01** | 98.48 | 32.02 | 9 | |
| 642.21 | T-2 Toxin + HT-2 Toxin (ppb) | Neogen Veratox T-2 + HT-2 | **0227** | 91 | 107 | **99** | **0.02** | 98.48 | 32.02 | 9 | |
| 642.21 | T-2 Toxin + HT-2 Toxin (ppb) | Neogen Veratox T-2 + HT-2 | **0529** | 106.3 | 100.6 | **103.4** | **0.16** | 98.48 | 32.02 | 9 | |
| 642.21 | T-2 Toxin + HT-2 Toxin (ppb) | Neogen Veratox T-2 + HT-2 | **2192** | 102 | 171 | **136.5** | **1.19** | 98.48 | 32.02 | 9 | |
| 642.04 | T-2 Toxin + HT-2 Toxin (ppb) | LC-MS | **0353** | 135 | 166 | **150.5** | **1.62** | 98.48 | 32.02 | 9 | |
| | | | | | **Zearalenone (ppb)** | | | | | | |
| 650.24 | Zearalenone (ppb) | LC-MS/MS | **0682** | <100 | <100 | **<100** | | 111.7 | 36.21 | 33 | 6 |
| 650.24 | Zearalenone (ppb) | LC-MS/MS | **0242** | <2 | <2 | **<2** | | 111.7 | 36.21 | 33 | 6 |
| 650.23 | Zearalenone (ppb) | LC-MS | **0572** | <500 | <500 | **<500** | | 111.7 | 36.21 | 33 | 6 |
| 650.01 | Zearalenone (ppb) | Neogen Veratox Zearalenone | **0918** | 42.07 | 45.04 | **43.56** | **-1.88** | 111.7 | 36.21 | 33 | |
| 650.01 | Zearalenone (ppb) | Neogen Veratox Zearalenone | **0529** | 55.6 | 46.7 | **51.15** | **-1.67** | 111.7 | 36.21 | 33 | |

| Code | Analyte | Method | Lab Code | Result1 | Result2 | [1] Lab Value | [2] Z score | [3] Robust Stats | | | [4] Flag |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Robust Mean | ffp StDev | n used | |
| 650.07 | Zearalenone (ppb) | r-Biopharm Ridascreen FAST ZON SC | **0066** | 86.6 | 45.5 | **66.05** | **-1.26** | 111.7 | 36.21 | 33 | |
| 650.99 | Zearalenone (ppb) | Miscellaneous | **0015** | 72.14 | 70.711 | **71.43** | **-1.11** | 111.7 | 36.21 | 33 | |
| 650.01 | Zearalenone (ppb) | Neogen Veratox Zearalenone | **0027** | 71.9 | 75.8 | **73.85** | **-1.05** | 111.7 | 36.21 | 33 | |
| 650.99 | Zearalenone (ppb) | Miscellaneous | **2268** | 87 | 94 | **90.5** | **-0.59** | 111.7 | 36.21 | 33 | |
| 650.01 | Zearalenone (ppb) | Neogen Veratox Zearalenone | **0870** | 92.5537 | 89.1885 | **90.87** | **-0.58** | 111.7 | 36.21 | 33 | |
| 650.20 | Zearalenone (ppb) | LC | **2192** | 98 | 92 | **95** | **-0.46** | 111.7 | 36.21 | 33 | |
| 650.24 | Zearalenone (ppb) | LC-MS/MS | **2529** | 79.8 | 112.6 | **96.2** | **-0.43** | 111.7 | 36.21 | 33 | |
| 650.24 | Zearalenone (ppb) | LC-MS/MS | **0297** | 105 | 96 | **100.5** | **-0.31** | 111.7 | 36.21 | 33 | |
| 650.24 | Zearalenone (ppb) | LC-MS/MS | **2129** | 100 | 103.4 | **101.7** | **-0.28** | 111.7 | 36.21 | 33 | |
| 650.24 | Zearalenone (ppb) | LC-MS/MS | **0202** | 102 | 105 | **103.5** | **-0.23** | 111.7 | 36.21 | 33 | |
| 650.20 | Zearalenone (ppb) | LC | **0910** | 96.1 | 111 | **103.6** | **-0.23** | 111.7 | 36.21 | 33 | |
| 650.24 | Zearalenone (ppb) | LC-MS/MS | **0913** | 103.3 | 105.9 | **104.6** | **-0.20** | 111.7 | 36.21 | 33 | |
| 650.20 | Zearalenone (ppb) | LC | **0674** | 107.44 | 107.44 | **107.4** | **-0.12** | 111.7 | 36.21 | 33 | 7 |
| 650.24 | Zearalenone (ppb) | LC-MS/MS | **0964** | 111 | 109.5 | **110.2** | **-0.04** | 111.7 | 36.21 | 33 | |
| 650.06 | Zearalenone (ppb) | r-Biopharm Ridascreen FAST ZON | **2226** | 106.708 | 119.204 | **113** | **0.03** | 111.7 | 36.21 | 33 | |
| 650.02 | Zearalenone (ppb) | Charm ROSA Zearalenone Quant - | **2147** | 120 | 110 | **115** | **0.09** | 111.7 | 36.21 | 33 | |
| 650.05 | Zearalenone (ppb) | r-Biopharm Ridascreen Zearalenon | **0629** | 119 | 120 | **119.5** | **0.21** | 111.7 | 36.21 | 33 | |
| 650.20 | Zearalenone (ppb) | LC | **0563** | 115.323 | 125.084 | **120.2** | **0.23** | 111.7 | 36.21 | 33 | |
| 650.07 | Zearalenone (ppb) | r-Biopharm Ridascreen FAST ZON SC | **0407** | 116.38 | 124.35 | **120.4** | **0.24** | 111.7 | 36.21 | 33 | |
| 650.20 | Zearalenone (ppb) | LC | **2369** | 119.06 | 123.02 | **121** | **0.26** | 111.7 | 36.21 | 33 | |
| 650.21 | Zearalenone (ppb) | LC-Fl, ISO | **2369** | 119.06 | 123.02 | **121** | **0.26** | 111.7 | 36.21 | 33 | |
| 650.99 | Zearalenone (ppb) | Miscellaneous | **2302** | 122.78 | 119.94 | **121.4** | **0.27** | 111.7 | 36.21 | 33 | |
| 650.20 | Zearalenone (ppb) | LC | **2196** | 127.32 | 127.32 | **127.3** | **0.43** | 111.7 | 36.21 | 33 | 7 |
| 650.24 | Zearalenone (ppb) | LC-MS/MS | **0010** | 129 | 127 | **128** | **0.45** | 111.7 | 36.21 | 33 | |
| 650.23 | Zearalenone (ppb) | LC-MS | **0353** | 125 | 143 | **134** | **0.62** | 111.7 | 36.21 | 33 | |
| 650.24 | Zearalenone (ppb) | LC-MS/MS | **0043** | 146.5 | 133.2 | **139.8** | **0.78** | 111.7 | 36.21 | 33 | |

| Code | Analyte | Method | Lab Code | Result1 | Result2 | [1] Lab Value | [2] Z score | [3] Robust Stats: Robust Mean | ffp StDev | n used | [4] Flag |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 650.99 | Zearalenone (ppb) | Miscellaneous | **0520** | 140 | 140 | **140** | **0.78** | 111.7 | 36.21 | 33 | 7 |
| 650.24 | Zearalenone (ppb) | LC-MS/MS | **0148** | 157.24 | 137.76 | **147.5** | **0.99** | 111.7 | 36.21 | 33 | |
| 650.24 | Zearalenone (ppb) | LC-MS/MS | **2023** | 137 | 170 | **153.5** | **1.15** | 111.7 | 36.21 | 33 | |
| 650.04 | Zearalenone (ppb) | Romer AgraQuant ZON | **2196** | 155 | 155 | **155** | **1.20** | 111.7 | 36.21 | 33 | 7 |
| 650.24 | Zearalenone (ppb) | LC-MS/MS | **0009** | 141.83 | 174.607 | **158.2** | **1.28** | 111.7 | 36.21 | 33 | |
| 650.24 | Zearalenone (ppb) | LC-MS/MS | **2140** | 173 | 231 | **202** | **2.49** | 111.7 | 36.21 | 33 | 1 |

**1. Lab Value:** Lab Value is the average of 2 reported lab results.

**2. Z score:** Red = Z value >3 or <-3 (action required), Orange = Z value between 2 and 3 or -2 and -3 (warning), Green = Z value between -2 and 2 (pass). Z values are shown for data populations with number of observation used (n used) >= 3 for Lab Values that are not an analytical limit or 0. Color ratings shown for number of observations used (n used) >=6. Z values were calculated as (Lab Value - Mean Value)/(Revised Horwitz standard deviation (ffp StDev)).

**3. Statistical parameters:** Robust statistics was employed to determine mean if number of observations used (n used) >=6 (blue background). Classical statistics was employed if number of observations used (n used) = 3, 4, or 5 (pink background). Flags identify data not used to calculate mean and standard deviation. The fit for purpose standard deviation (ffp StDev) is a Revised Horwitz standard deviation determined from historical data in this PT program and was used to determine Z values.

**4. Flag:** Flag number identifies why data was not used to determine statistical parameters. 1 = data rejected for dups too far apart, 2 = rejected as extreme outlier, 3 = rejected for both dups too far apart and extreme outlier, 4 = removed after manual inspection, 5 = rejected due to zero(s) submitted, 6 = rejected due to analytical limit submitted (eg "<0.1"), 7 = Lab's range rejected for determining mean range on Report Cards due to identical values reported for two results.

# Appendix

## Content Description of ANALYTE All Labs PT Report

The Analyte All Labs PT Report has results listed for every lab grouped by Analyte with data in each group sorted by lab value. The reports are helpful to see where your lab result fell within the whole set of data for the Analyte by identifying your results by your lab code. Data on the right side of the report shows the mean, fit-for-purpose standard deviation (ffp StDev), and number of observations used (n used) in the analysis of each group. An observation was a lab value for a test which was the average of reported duplicate results. Mean was determined using Algorithm A robust analysis in ISO 13528:2015(E) (Statistical methods for use in proficiency testing by interlaboratory comparison) for 6 or more observations. Robust statistics has an advantage of removing undesired influence of outlying data on the mean and standard deviation without removing data from the statistical analysis. Robust statistics was only used on data sets with 6 or more observations. For data sets with 3, 4, or 5 observations, classical calculation of mean was performed. The ffp StDev was calculated from a Revised Horwitz standard deviation equation based on historical data for mycotoxins in this PT program (0.21 x C^-0.0271 x Mean where C is massless concentration). Z scores for data sets with a small number of observations are given less importance as indicated by no color coding of Z score with less than 6 observations. No Z scores were determined for 1 or 2 observations.

Before determining mean and standard deviation for a set of data, data was removed from statistical analysis for various reasons. Mandel statistical analysis was used to identify and remove extreme outliers and lab values from duplicate results that were too far apart (ISO 5725-2:1994, Accuracy (trueness and precision) of measurement methods and results – Part 2: Basic method for the determination of repeatability and reproducibility of a standard measurement method.). Any individual result report of zero or less than a limit had lab value removed from analysis. Duplicate results that were the same were removed from determination of mean range evaluating precision to remove undo influence of entries from labs reporting one result twice. The data removed from analysis are denoted with numerical flags on the far right-hand side of the report that are defined in a footnote. Z scores are reported for data removed due to extreme outlier or duplicates too far apart even though data was not used in the determination of mean and standard deviation. However, Z scores are not reported for results reported as 0 or less than a limit. Also, any submission of just one lab result is removed for consideration in statistical analysis and presentation on reports.