



Certificate of Analysis

Catalog Number: TS-307
Lot Number: 171031-108
Toxin: 3-Acetyl DON, 15-Acetyl DON, F-X, DON, Nivalenol, Neosolaniol, Diacetoxyscirpenol, HT-2 Toxin, T-2 Toxin
Quantity: 2.0 mL
Concentration or Concentration after reconstitution: 100.0µg/mL of each:
3-Acetyl DON, 15-Acetyl DON, F-X, DON, Nivalenol, Neosolaniol, Diacetoxyscirpenol, HT-2 Toxin, T-2 Toxin
Reconstitution if applicable: To reconstitute use a volumetric pipette to accurately pipette 2.0 mL of Acetonitrile into each standard vial. Cap tightly and vortex (mix) for at least 30 seconds.
Solvent: Acetonitrile
Storage: 8°C or lower
Date of Manufacturing: October 31, 2017
Expiration: 12 months before reconstitution from certificate date (see below) and 6 months after reconstitution

Purity: ≥ 98%
Traceability: All components used in production of this standard can be tracked back to their source for each batch produced, allowing full product traceability.
Testing Method: LC MS/MS

Standard Uncertainty (µg/mL):

| | | | | | |
|---------------|-------|----------------|-------|------|-------|
| 3-Acetyl DON: | ±2.24 | 15-Acetyl DON: | ±2.24 | DON: | ±2.24 |
| Nivalenol: | ±2.24 | Neosolaniol: | ±2.24 | DAS: | ±2.24 |
| HT-2 Toxin: | ±2.24 | T-2 Toxin: | ±2.24 | F-X: | ±2.24 |

Product Specification (µg/mL): 3-Acetyl DON, 15-Acetyl DON, F-X, DON, Nivalenol, Neosolaniol, Diacetoxyscirpenol, HT-2 Toxin, T-2 Toxin: (90-110)

Results (µg/mL):

| | | | | | |
|---------------|-------|----------------|-------|------|------|
| 3-Acetyl DON: | 107.4 | 15-Acetyl DON: | 109.4 | DON: | 98.6 |
| Nivalenol: | 94.3 | Neosolaniol: | 101.7 | DAS: | 97.6 |
| HT-2 Toxin: | 93.0 | T-2 Toxins: | 99.7 | F-X: | 97.3 |

This is to certify that Trichothecene standard Lot number 171031-108 passes the required specifications and is released for sale.

Craig Humphrey – Chemistry Production Manager
April 18, 2018