



# Certificate of Analysis

**Catalog Number:** TSL-307  
**Lot Number:** 171031-145  
**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:** N/A  
**Solvent:** Acetonitrile  
**Storage:** 8°C or lower  
**Date of Manufacturing:** October 31, 2017  
**Expiration:** 1 year from certificate date (see below).

---

**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) each

**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 171031-145 passes the required specifications and is released for sale.

Craig Humphrey – Chemistry Production Manager  
May 25, 2018