



# Certificate of Analysis

**Catalog Number:** TSL-307  
**Lot Number:** 160825-069  
**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:** August 25, 2016  
**Expiration:** 1 year from certificate date (see below).

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**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: 96.6	15-Acetyl DON: 97.4	DON: 102.7
Nivalenol: 97.3	Neosolaniol: 100.5	DAS: 97.4
HT-2 Toxin: 96.2	T-2 Toxins: 97.9	F-X: 98.5

This is to certify that Trichothecene standard Lot number 160825-069 passes the required specifications and is released for sale.

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Craig Humphrey – Chemistry Production Manager  
March 10, 2017