



# Certificate of Analysis

**Catalog Number:** TSL-307  
**Lot Number:** 141020-344  
**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 20, 2014  
**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:** Gas Chromatography

**Testing Equipment Conditions:** Column: Restek XT1-5 (5% diphenyl-95% dimethyl polysiloxane) 30 meter, id 0.25 mm, film thickness 0.25µm.

GC Program: 70° C initial temp, 70 to 170 at 125°C/min, 170 to 300 at 5°C/min, Helium carrier @ 1.5ml/min @ 17psi head pressure.

Injection port: Splitless at 270°C. (purge set off then on after 0.7 min)

Detector: ECD at 300° C. with Nitrogen as makeup gas.

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

**Results (µg/ml):**

3-Acetyl DON:	91.2	15-Acetyl DON:	96.3	DON:	106.5
Nivalenol:	100.6	Neosolaniol:	107.0	DAS:	109.1
HT-2 Toxin:	106.1	T-2 Toxins:	98.6	F-X:	98.1

This is to certify that Trichothecene standard Lot number 141020-344 passes the required specifications and is released for sale.

Carrie Maune – Quality Manager  
December 10, 2014

Trilogy Analytical Laboratory, Inc.  
870 Vossbrink Drive Washington, MO 63090  
Phone: 636-239-1521 Fax: 636-239-1531 [www.trilogylab.com](http://www.trilogylab.com)

REVISION HISTORY

<b>REVISED DATE</b>	<b>REVISED BY</b>	<b>CHANGES MADE</b>
5/11/10	DANIELLE GANT	ORIGINAL DOCUMENT
6/24/10	Danielle Gant	Added page number and code
1/13/11	Danielle Grimes	Corrected Code Number
9/26/2011	Danielle Grimes	Added paginated numbers

Trilogy Analytical Laboratory, Inc.  
870 Vossbrink Drive Washington, MO 63090  
Phone: 636-239-1521 Fax: 636-239-1531 [www.trilogylab.com](http://www.trilogylab.com)