



# Certificate of Analysis

**Catalog Number:** TS-353  
**Lot Number:** 141124-330  
**Toxin:** Neosolaniol, Diacetoxyscirpenol, HT-2 Toxin, T-2 Toxin  
**Quantity:** 5.0 ml  
**Concentration or Concentration after reconstitution:** 10.0µg/ml of each:  
Neosolaniol, Diacetoxyscirpenol, HT-2 Toxin, T-2 Toxin  
**Reconstitution if applicable:** To reconstitute use a volumetric pipette to accurately pipette 5.0 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:** November 24, 2014  
**Date of Expiration:** 12 months before reconstitution from certificate date (see below) and 6 months after reconstitution

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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:** 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):** Neosolaniol: ±0.22      DAS: ±0.22  
HT-2 Toxin: ±0.22      T-2 Toxin: ±0.22  
**Product Specification:** Neosolaniol, Diacetoxyscirpenol, HT-2 Toxin, T-2 Toxin: (9.0µg/ml-11.0µg/ml)  
**Results (µg/ml):** Neosolaniol: 10.9      DAS: 10.6  
HT-2 Toxin: 10.3      T-2 Toxin: 9.8

This is to certify that Tricothecenes standard Lot number 141124-330 passes the required specifications and is released for sale.

Carrie Maune – Quality Manager  
November 26, 2014

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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

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