



Certificate of Analysis

Catalog Number: TS-307 (P72)
Lot Number: 141020-337
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:
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 20, 2014
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: 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 141020-337 passes the required specifications and is released for sale.

Carrie Maune

Carrie Maune – Quality Manager
December 3, 2014

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REVISION HISTORY

REVISED DATE	REVISED BY	CHANGES MADE
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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