

**U.S. DEPARTMENT OF AGRICULTURE
Grain Inspection, Packers and Stockyards Administration
Federal Grain Inspection Service**

CERTIFICATE NO.: GIPSA 2013-046

CERTIFICATE OF PERFORMANCE

Qualitative test kit for aflatoxins in corn.

For: EnviroLogix Inc.	Submitted by: EnviroLogix Inc.
Method: Lateral flow strip with visual detection	500 Riverside Industrial Pkwy Portland, ME 04103 Telephone: (207) 797-0300 Contact: Dr. Alan Davis

Standard Features and Options

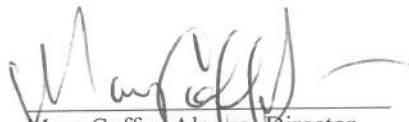
Model:	QuickTox Kit for Aflatoxin Bulk Grain, Product 10539
Sample Preparation:	Ground sample so that 95% passes through a 20 mesh sieve
Extraction Method:	Shake 50-gram sample with 100 mL 50% ethanol/50% water (v/v) for 1 minute
Temperature Range:	18 – 30 °C (64 – 86 °F)
Detection Threshold:	20 ppb
Detection Technique:	Visual

Test kits must be operated according to the instructions in the GIPSA Aflatoxin Handbook.

This test kit underwent an initial verification of performance under the authority of Section 7B (c) of the United States Grain Standards Act, as amended, and was found to meet all test performance criteria as defined in GIPSA Directive 9181.2 "Performance Verification of Qualitative Mycotoxin and Biotech Rapid Test Kits," March 2011 version. Evaluation tests that passed are summarized in Attachment I.

For further information, contact:

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Mary Coffey-Alonzo, Director
Technology and Science Division

Date: 2/26/2013

Certificate Expires Three Years from the Date Signed

Note: The mention of firm name or trade products does not imply that they are endorsed or recommended by the United States Department of Agriculture over other firms or similar products not mentioned.

Type Evaluation
Certificate No.: GIPSA 2013-046

ATTACHMENT I

Manufacturer: EnviroLogix Inc.
500 Riverside Industrial Pkwy
Portland, ME 04103
Telephone: (207) 797-0300
Contact: Dr. Alan Davis

TEST 1: CAPABILITY OF ANALYZING FOR AFLATOXINS.

The data submitted by the manufacturer supported that the test kit was capable of reliably detecting aflatoxins at a detection threshold of 20 parts per billion (ppb) total aflatoxins in corn.

TEST 2: TEMPERATURE SENSITIVITY.

The data submitted by the test kit manufacturer supported performance of the kit at 18 °C and 30 °C.

TEST 3: GIPSA PERFORMANCE VERIFICATION.

The data generated by GIPSA staff showed the test kit is capable of reliably detecting aflatoxins at a detection threshold of 20 ppb total aflatoxins in corn. The evaluation was conducted by visual examination of the lateral flow strip.