

U.S. DEPARTMENT OF AGRICULTURE
Federal Grain Inspection Service

CERTIFICATE NO.: FGIS 2018-117

CERTIFICATE OF CONFORMANCE

Quantitative test kit for fumonisin in corn (including dent or field corn, corn meal, corn flour, cracked corn, corn grits or polenta, and corn screenings)

For: VICAM

Method: Lateral Flow Strip

Submitted by: VICAM.

34 Maple Street

Milford, MA 01757

Telephone: (508) 482-4956

Contact: Ms. Nancy Zabe

Standard Features and Options

Model: Fumo-V AQUA, Product 176004175

Sample Preparation: Grind sample so that at least 95% passes through a 20 mesh sieve

Extraction Method: Blend 50 grams sample with 250 mL of Fumo-V AQUA Premix solution for 1 minute.

Temperature Range: 18 – 30 °C (64 – 86 °F)

Fumonisin Level: 0.50 – 30 ppm

Detection Technique: Vertu Reader, Model Vertu

Test kits must be operated according to the FGIS-issued instructions.

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 "Design Criteria and Test Performance Specifications for Quantitative Fumonisin Test Kits," June 2018 version. Evaluation tests that passed are summarized in Attachment I.

For further information, contact:

USDA, Federal Grain Inspection Service
Technology and Science Division
Analytical Chemistry Branch
10383 N. Ambassador Drive
Kansas City, Missouri 64153-1394 Telephone: (816) 891-0401



Timothy D. Norden, Acting Director
Technology and Science Division

Date: 8/21/2018

Certificate Expires Three Year 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.: FGIS 2018-117

ATTACHMENT I

Manufacturer: VICAM.
34 Maple Street
Milford, MA 01757
Telephone: (508) 482-4956
Contact: Ms. Nancy Zabe

TEST 1: TIME REQUIRED FOR COMPLETION OF AN ANALYSIS.

The data submitted by the manufacturer indicated that the analysis time required for one sample was less than the maximum limit of 30 minutes.

TEST 2: COMPARATIVE ACCURACY OF TEST KITS ON CORN SAMPLES NATURALLY CONTAMINATED WITH FUMONISINS.

The data submitted by the test kit manufacturer for four naturally-contaminated corn samples, containing approximately 0.5, 2, 5, 30 ppm fumonisin, met the performance criteria.

TEST 3: SUGGESTED ADDITIONAL COMMODITIES.

The manufacturer did not submit data for any additional commodities.

TEST 4: AVOIDANCE OF TOXIC OR HAZARDOUS SUBSTANCES.

The Safety Data Sheets provided by the manufacturer confirmed this test kit meets safety requirements.

TEST 5: SENSITIVITY TO ELECTROMAGNETIC FIELDS (EMF).

A statement of certification has been provided that indicated the Vertu Reader, Model Vertu, met the EMF sensitivity requirements.

TEST 6: TEMPERATURE SENSITIVITY.

The data submitted by the test kit manufacturer supported performance of the kit at 18 °C, 24 °C, and 30 °C.

TEST 7: STABILITY.

The data submitted by the test kit manufacturer supported storage and stability claims.

TEST 8: FGIS PERFORMANCE VERIFICATION.

The data generated by FGIS staff showed the test kit is capable of quantifying fumonisin in corn in the range of 0.50 – 30 ppm fumonisin. The evaluation was conducted using the Vertu Reader, Model Vertu.