



Safeguarding the Efficacy of Botanicals

Ensure that Botanicals are free from unwanted contamination by aflatoxin, ochratoxin and other naturally occurring mold toxins. Botanical products may become susceptible to mycotoxin contamination during cultivation, storage or processing. The natural byproducts of several mold species, aflatoxin and ochratoxin present serious health risks to humans and animals – including liver toxicity, immune suppression, and aflatoxin is a known carcinogen according the International Agency for Research on Cancer (IARC).

VICAM's family of mycotoxin testing solutions offers your business a full range of versatile, practical solutions to aflatoxin and ochratoxin monitoring. From simple, on-site detection using fluorometer, to highly sensitive HPLC or UPLC detection in the laboratory – VICAM offers proven aflatoxin and ochratoxin detection and monitoring to the botanicals producer and trusted analytical laboratory.

VICAM solutions empower you to:

- **Manage botanicals quality with confidence**
- **Ensure consistent product purity**
- **Meet internal and industry regulatory requirements with ease**

HERE'S HOW SIMPLE VICAM TESTS ARE TO USE:

EXTRACT SAMPLE

- Grind and weigh sample
- Add salt and methanol/
water mixture
- Filter

DILUTE AND FILTER

- Dilute extract
- Filter

ISOLATE TOXIN

- Apply Sample to
Immunoaffinity Column

MEASURE

- Add developers and place cuvette
into a calibrated fluorometer, or
- Dilute and inject eluate into
HPLC or UPLC
- Determine Toxin Concentration



VICAM NARROW BORE COLUMNS



BENEFITS		AflaTest	OchraTest
Durable	Long shelf life; requires no refrigeration	X	X
Versatile	Can be used with a variety of samples	X	X
Convenient	For use with fluorometric or HPLC	X	
Easy	No special skills required, test can be performed virtually anywhere	X	
Quick	Less than 10 minutes to isolate toxin	X	
Safe	Requires less toxic materials than other methods	X	X

VICAM WIDE BORE COLUMNS



BENEFITS		AflaTest WB	OchraTest WB	AflaOchra
Durable	Long shelf life; requires no refrigeration	X	X	X
Versatile	Can be used with a variety of samples	X	X	X
Exclusive	Specifically for HPLC, UPLC or LC/MS/MS use	X	X	X
Quick	10 minutes to isolate toxin	X	X	X
Wide Range	Detects levels as high as 500 ppb	X	X	
Fast Flow	Passes more volume over the column	X	X	X

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