

**ENSURE PEANUT QUALITY AND MEET EXPORT REGULATORY REQUIREMENTS WITH:**

- Qualitative screening at 10 or 20 parts per billion (ppb) using AflaCheck
- Quantitative detection from 0–100 ppb using Afla-V lateral flow strip tests
- NEW water based Afla-V AQUA eliminates solvent use and storage
- AOAC approved AflaTest provides full-range detection using VICAM's Series 4-EX fluorometer.

Keeping the Peanut Trade Healthy

From ready-to-eat snacks to peanut butter and cooking oil, Peanuts — also known as Groundnuts — are a nutrition-packed member of the 'legume' family. Naturally high in protein, fiber and unsaturated fat, peanuts also provide essential vitamins, minerals and powerful antioxidants. During peanut cultivation, the plant's seed forces its way underground to complete development, and fully mature peanuts are pulled up from the soil at harvest. This direct soil contact places the peanut at risk for aflatoxin contamination because aflatoxin-producing fungi are natural inhabitants of most soils. Heavily regulated worldwide in order to minimize its impact on human and animal health, aflatoxin is one of the most potent toxins to naturally occur in peanuts, tree nuts, grains and feed products.

Classified as a Group 1 Carcinogen according to the International Agency for Research on Cancer (IARC,) aflatoxin is also linked to immune suppression and reproductive effects. Strict regulatory limits are enforced worldwide to minimize exposure and protect human and animal health. Brazil has enforceable maximum limits of 10 ppb for aflatoxins in peanuts for human consumption, while the EU has set levels of 2 ppb (Afla B₁) and 4 ppb (total aflatoxins B₁, B₂, G₁ & G₂) for product intended for direct human consumption. The US and Asia-Pacific countries regulate aflatoxin in the range of 0 to 20 ppb.

VICAM offers a complete family of field and laboratory methods for aflatoxin detection — delivering results in minutes. Strengthen your Food Safety program today with expert solutions from VICAM — contact us to learn more.

- **Accurate, Precise and Proven Results for Aflatoxins in Peanuts**
- **Have Full Confidence in Your Aflatoxin Monitoring Strategy**

VICAM NARROW BORE COLUMNS



BENEFITS		AflaTest
Durable	Long shelf life; requires no refrigeration	X
Versatile	Can be used with a variety of samples	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

VICAM WIDE BORE COLUMNS



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

VICAM VERTU QUANTITATIVE STRIP TESTS



BENEFITS		Afla-V	Afla-V AQUA
Fast Screening	Result in 5 minutes*	X	X
Simple	No special training required	X	X
Convenient	Easily performed onsite or in the lab.	X	X
Durable	Long shelf life	X	X
Accurate	Real-time data which can be printed or downloaded to a computer	X	X
Eco-friendly	Water-based extraction eliminates methanol and other solvents	X	X

Subject to change without notice.

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