

Ensure the safety of cannabis products

Analyzing Pesticides and Mycotoxins in Cannabis Flower

Application Compendium



Does Testing Cannabis Flower for Pesticides and Mycotoxins Seem Overwhelming?

Determining the residual amounts of pesticides and mycotoxins in cannabis products is indeed challenging. You must identify parts-per-billion (ppb) levels of these compounds against a substantial background of cannabinoids, terpenes, and other endogenous chemicals.

Agilent Cannabis Pesticide and Mycotoxin Kits minimize the need for tedious method development. Kits include sample preparation, analytical columns, and associated supplies needed to analyze 400 cannabis flower samples for pesticide residues and mycotoxins. You will also receive a user guide so you can get up and running in a fraction of the time.

- *Maximize your productivity and uptime.* Simplify decision-making by choosing from kits that support your full workflow, from sample preparation to analysis.
- *Analyze with confidence.* Each method has been developed and verified by our scientists.
- *One-stop shopping.* In addition to preconfigured kits, the Agilent pesticides and mycotoxins in cannabis flower solution offers flexible ordering options including guided à la carte shopping and a custom chemical standards service. This allows you to source your entire workflow from one place.

What's inside?

In this compendium, you'll find sample preparation protocols and instrument parameters that will help you start running samples quickly and efficiently. Agilent Cannabis Pesticide and Mycotoxin Kits include the sample preparation consumables, columns, and supplies you need to run each application. And as always, our product and application experts are available to help you maximize productivity.

Already have an analytical method?

Now you can optimize your workflow and eliminate the hassle of shopping around for your cannabis testing columns and supplies. Just use our convenient ordering guide with product lists and *MyList* links to go to a prefilled shopping cart at the Agilent Online Store. You can easily customize this shopping cart to suit your needs.

Visit www.agilent.com/chem/CannabisKitOrdering

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Agilent Cannabis Pesticide and Mycotoxin Kits Overview

Determination of Pesticides and Mycotoxins as Defined by California State Recreational Cannabis Regulations: A Combined LC/MS/MS Analysis Method (5994-0648EN)

A Fast Analysis of the GC/MS/MS Amenable Pesticides Regulated by the California Bureau of Cannabis Control (5994-1019EN)

A Sensitive and Robust Workflow to Measure Residual Pesticides and Mycotoxins from the Canadian Target List in Dry Cannabis Flower Using LC/MS/MS and GC/MS/MS (5994-0429EN)

Analysis of Challenging Pesticides Regulated in the Cannabis and Hemp Industry with the Agilent Intuvo 9000-7010 GC/MS/MS system: The Fast-5 (5994-1604EN)

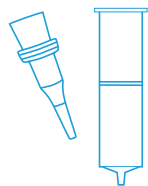
Tackle Emerging Cannabis Regulations with Confidence (5994-1127EN)



Perform comprehensive cannabis testing with Agilent, your complete workflow partner. www.agilent.com/chem/Cannabis

What's in each kit?

Agilent Cannabis Pesticide and Mycotoxin Kits include all the columns and supplies you need to get up and running quickly, along with this detailed application compendium and user guide, all in one convenient place, and at a bundled price. Whether you are required to do only LC/MS testing or a combination of LC/MS and GC/MS, Agilent has you covered. We offer an extensive line of Cannabis Pesticide and Mycotoxin Kits to suit your specific analytical setup.



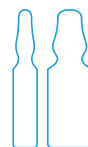
Sample preparation

Cannabis is a dirty matrix. We'll show you how to protect your analytical flow path with proper sample preparation for dry cannabis flower samples.



Containment and injection

A vial isn't just a vial. Protect the integrity of your final sample with industry-leading Agilent vials and caps.



LC supplies

LC mobile phase modifiers help improve chromatographic peak shape, sample loadability, and signal intensities that can improve data quality and decrease processing time.

400 runs strong

Kits are designed for 400 cannabis samples so you can manage your inventory and maintain peak productivity.

Looking for chemical standards?

Due to ever-changing regulations, these can be purchased separately.

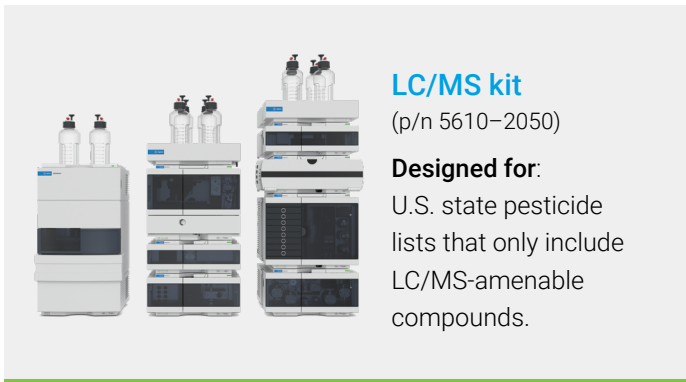


LC/MS and GC/MS Intuvo 9000 kit

(p/n 5610-2053)

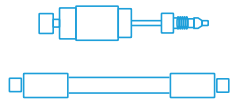
Designed for:

Labs doing both LC/MS and GC/MS analyses with an Agilent Intuvo 9000.



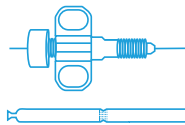
LC/MS kit
(p/n 5610–2050)

Designed for:
U.S. state pesticide lists that only include LC/MS-amenable compounds.



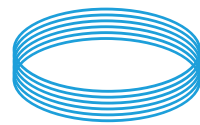
LC separation

Agilent InfinityLab Poroshell 120 columns use high purity silica and advanced bonding chemistries to provide faster, more accurate results through superior peak shape.



GC supplies

Unique GC supplies like the Agilent Self Tightening column nut and Ultra Inert liner simplify installation, ensure exceptional results, and improve system performance.



GC separation

Agilent J&W Ultra Inert GC columns are rigorously tested to ensure exceptionally low bleed and consistently high inertness needed to optimize the delivery of active analytes directly to the MS detector.

**LC/MS and GC/MS
7890/8890 General kit**

(p/n 5610–2051)

Designed for:

U.S. labs doing both LC/MS and GC/MS analyses.*



**LC/MS and GC/MS
7890/8890 Canada kit**

(p/n 5610–2052)

Designed for:

Canadian labs doing both LC/MS and GC/MS analyses.*

**Part numbers 5610-2051 and 5610-2052 differ in GC column and liner choice. All other kit components are identical.*

Agilent CrossLab services

CrossLab is an Agilent capability that integrates services and consumables to support workflow success and important outcomes like improved productivity and operational efficiency. Through CrossLab, Agilent strives to provide insight in every interaction to help you achieve your goals. CrossLab services include method optimization, flexible service plans, and training for all skill levels. We have many other products and services to help you manage your instruments and your lab for best performance.

Learn more about Agilent CrossLab, and see examples of insight that leads to great outcomes, at www.agilent.com/crosslab

Learn more:

www.agilent.com/chem/CannabisKits

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Agilent products and solutions are intended to be used for cannabis quality control and safety testing in laboratories where such use is permitted under state/country law.

This information is subject to change without notice.