CHROMATOGRAPHIC SPECIALTIES INC.

www.chromspec.com

Medical Marijuana QC LAB-IN-A-BOX

A complete solution for Health Canada required testing on Medical Marijuana

The Medical Marijuana QC Lab-In-A-Box is designed as a one-stop-shop for setting up your testing lab.

- No time consuming method development or product sourcing required
- Everything can be customized to meet your specific requirements
- Free technical support from our in-house team of experts
- Compliant with Health Canada's Marijuana for Medical Purposes Regulations (MMPR)

Lab-In-A-Box is available as a complete system for new lab setups, or as individual components.

Contact us for a FREE Consultation.

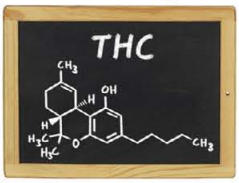
Lab Supplies

Equipment

Your Complete Solution

Procedures

Training



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Equipment

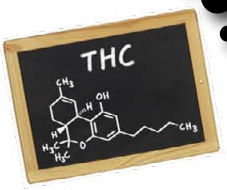
Get the latest generation of analytical and sample preparation systems for accurate and reliable results. These instruments are easy to use and easy to maintain. Full installation and training are available.

Procedures

These chemical and microbial testing procedures are based on the US and European pharmacopeia methods. Ready-to-use validation protocols and report templates are available.

Lab Supplies

Our kits include all the labware, chemicals and standards you need to stock your lab. A complete product list is included with each kit for easy re-ordering.



Training

Our training program includes classroom sessions or webinars, and hands-on training in the lab. Programs can be tailored to meet your specific needs: from beginner to advanced, in English or in French. Training modules include:

- Good Laboratory Practices (GLP)
- Analytical Procedures
- Validation Procedures
- General Chemistry
- Gas Chromatography (GC)
- Liquid Chromatography (LC)

Medical Marijuana Testing

Loss on Drying Analysis

Moisture content is tested by verifying the weight of the sample before and after drying in an oven. This test is performed to allow for proper chemical content quantification in dry marijuana.

Potency Analysis

Gas Chromatography (GC) and a Flame Ionization Detector (FID) are used to determine cannabinoid profiles. THC, CBD and CBN are accurately quantified, allowing for proper strain selection for treating specific conditions, and for the determination of peak harvest times.

Mycotoxin Analysis

Mycotoxins are a by-product of fungal growth that have adverse health effects when consumed. This method tests for contamination with the following mycotoxins: aflatoxin B1, B2, G1, G2, and ochratoxin A. The sample is prepared using a simple immunoaffinity Solid Phase Extraction (SPE) column. Analysis is then performed via High Pressure Liquid Chromatography (HPLC) for fast, accurate results.

Microbiological Analysis

Microbial contaminants can be detrimental to a patient's health. Using organism specific growth media to screen for bacteria, coliforms, yeast, and mould, this method is easy to perform and requires minimal training.

Pesticide Analysis

Pesticide content is determined by Gas Chromatography (GC) with a Thermionic Ionization Detector (TID) and an Electron Capture Detector (ECD). Samples are prepared using a QuEChERS method which is a simple, trouble-free way of extracting pesticides for analysis.

Heavy Metals Sample Preparation

Samples are prepared by acid digestion and sent to an analytical testing lab for heavy metal content analysis. Using an outside testing lab helps licensed producers avoid the high cost of the equipment required for this analysis.

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