Orange Photonics

LightLab

Hemp THC Compliance Module

Hemp THC Compliance Test

LightLab's Hemp Compliance Test quantifies the amount of Δ9-THC, THC-A and Total Potential THC content in dry flower between the values of 0.03% and 3%. With this tool, cultivators, processors and regulators can measure plant material and evaluate compliance.

Cultivators

LightLab's Hemp THC Compliance Test gives you the information you need to harvest at the right time, when cannabinoid content is at its peak but in advance of crossing the THC threshold. This information can contribute to cultivar selection, cultivation inputs, sale price determination and remove the risk of crop forfeiture.

Processors

Coupling the Hemp THC Compliance feature with LightLabs' standard analytical capabilities lets you assess both the value and compliance of hemp biomass before you purchase or process the material.

Regulators

Enhance throughput of pre-harvest compliance testing with LightLab's sensitive THC testing capabilities. Simply collect, dry and homogenize hemp samples in accordance with your regulatory requirements.

What is Selective Separation Spectroscopy?

Selective Separation Spectroscopy™ is a unique analytical process that combines two analytical techniques, chromatography and spectroscopy, with sophisticated analytics in order to quantify several components in complicated mixtures. The spectroscopy engine at the heart of the device takes advantage of detection technology used on NASA's Curiosity rover, bringing Mars technology to fields and processing centers.

FEATURES

- Results in under 12 minutes
- Intuitive touchscreen interface
- No training required
- Easy sample preparation
- 8-hour battery life

TESTING CAPABILITIES

- 0.03%-0.3% weight percent
- Δ9THC
- THC-A
- Total Potential THC

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LightLab™ Specifications

"I constantly keep my finger on the pulse of the industry to find better ways to identify individuals high in CBD and low in THC to keep seed lines compliant with regulatory requirements.

JOHN BAKER
CBD Baker, Stirling, Ontario

Dimensions	18.5 x 6.9 x 14.1 inches
Weight	11 pounds
Power requirements	16V, 1.8A (120-240 AC adapter included)
Battery life	8 hours, rechargeable
Interface	7" touch screen
Data format	Excel compatible CSV, formatted report
Standard components measured	Δ9THC, THC-A, CBD, CBD-A, CBN, CBG-A
Hemp THC Compliance Module	0.03% - 0.3%, Δ9THC, THC-A, Total Potential THC
Measurement time	8 minutes (4 minute zero)
Sample preparation	Simple solvent extraction
Sample size	1g

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