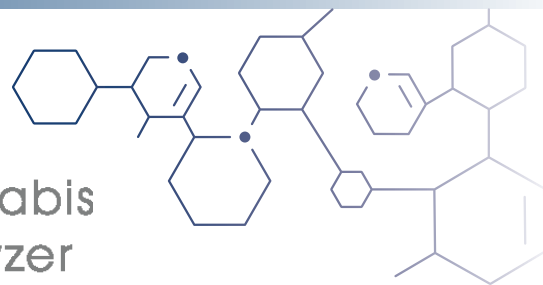




Cannabis
Analyzer



RAPID CANNABIS ANALYSIS. LAB-GRADE WITHOUT THE LAB.

International and domestic enforcement agencies trust LightLab 3 Cannabis Analyzer to rapidly quantify THC content in cannabis plants and products in non-lab settings. LightLab 3 supports rapid enforcement actions with accurate, real-time data and accompanying Certificate of Analysis.

LAW ENFORCEMENT MODES

PRESUMPTIVE MODE

Presumptive Mode provides a rapid indicator of whether a sample is THC Dominant (psychoactive) or CBD Dominant (hemp). Presumptive mode's simplified sample preparation is ideal for field use testing where a quick on-the-spot determination is required. Presumptive Mode data is based on HPLC peak ratios, virtually eliminating false positives or false negatives, and can be used on any sample type.

QUANTITATIVE MODE

Quantitative Mode offers laboratory-grade quantitative analysis as well as the presumptive guidance of the THC:CBD ratio. Quantitative Mode reports THC-A, D9THC, total potential THC, CBD-A, CBD, and total potential CBD in a simplified quantitative report or a detailed report that measures up to 19 cannabinoids.



EXECUTE WITH CONFIDENCE

Cannabis plants and products (marijuana and hemp) may contain THC, a psychoactive compound. Determining precisely how much THC content exists in a sample is critical for law enforcement. The LightLab 3 Cannabis Analyzer is calibrated with certified reference materials and every Certificate of Analysis is secure, permanent and shareable.

DEPLOYABLE TESTING

- Execute warrants
- Interdiction resource
- Submit Certificate of Analysis with reports
- Avert unlawful seizure
- Avoid litigation
- Established court precedent
- Manage evidence storage
- Reach back support
- Easy-to-use, training available

VALUED BY

- Police and Sheriffs
- Drug Enforcement Agency
- Bureaus of Investigation
- Department of Homeland Security
- Customs & Border Protection Agency

TEST ANY SAMPLE

- Plant material
- Flower
- Vape cartridge
- Isolate (white powder)
- Edibles

FIELD-READY. PURPOSE BUILT.

LightLab 3 Cannabis Analyzer's intuitive touchscreen interface relays step-by-step instructions allowing non-technical users to accurately complete an analysis. The instrument's hardened analytical components and accurate performance makes LightLab the go-to-tool for mobile cannabis analysis. Orange Photonics is the global leader in rugged, easy-to-use High Performance Liquid Chromatography (HPLC) technology. HPLC technology is the Federally supported technology for testing cannabis.

VIDEO | Santa Barbara Sheriff's Department shares LightLab 3 Cannabis Analyzer use case.



LIGHTLAB SPECIFICATIONS

Dimensions	18.5 x 6.9 x 14.1 inches
Weight	13.5 pounds
Power Requirements	18V, 1.5A (120-240 AC Adapter included)
Battery Life	8 hours, Rechargeable Lithium Ion, 14.8V 4400mAh
Interface	7" touch screen
Access	Wi-Fi
Results	On-screen, CSV (excel compatible), text, email, chromatogram, Certificate of Analysis
Law Enforcement Presumptive Mode	THC:CBD ratio - low, high, not detected
Law Enforcement Quantitative Mode	D9-THC, THC-A, Total THC, CBD, CBD-A, Total CBD, CBN, CBG, CBG-A
Minors Module (included)	CBN-A, CBC, CBC-A, D8-THC, D10-THC
Hemp Compliance Module (included)	D9-THC, THC-A, Total THC, Dry Plant Range 0.05-0.3%
Converted Module (included)	D9-THC-O Acetate, D8-THC-O Acetate, D9-THCP, D8-THCP, HHC
Terpenes Module (optional)	Total Terpenes (semi-quantitative)
Measurement Time	8.5 minutes (2 minute zero)
Sample Preparation	Simple solvent extraction
Products Measured	Plant, concentrates, biomass, young plant, processed waste, tinctures, isolate, infused products. Contact us about edibles.
Sample Size	Sample type dependent, up to 1 gram
Warranty	1 year, extended options available



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