



LIGHTLAB 3 LE PORTABLE CANNABIS ANALYZER

FAST CANNABIS ANALYSIS. LAB-GRADE WITHOUT THE LAB.

Law enforcement agencies across the United States are using LightLab to quickly quantify THC content in cannabis plants and products in non-lab settings. Your team can use this presumptive/quantitative tool to ensure only illicit products are seized and avoid the delay associated with forensics lab tests.

LAW ENFORCEMENT MODES

Two testing modes offer flexibility for specific testing scenarios.

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 11 cannabinoids.

PLANTS AND PRODUCTS

Cannabis plants and products (marijuana and hemp) may both contain THC, a psychoactive compound. However, it is critical to be able to determine precisely how much THC content exists in the sample before executing a warrant and taking possession of the suspect items. The LightLab Cannabis Analyzer LE lets the user immediately determine if a sample matches a Certificate of Analysis, corresponds to a business license and is a legal or illicit product.

ARTICLE

Santa Barbara Sheriff's Department speaks on how their team utilizes the LightLab Cannabis Analyzer. [QR Code]

VALUED BY

- Police and Sheriffs
- Drug Enforcement Agency
- Bureaus of Investigation
- Forensic Laboratories
- Narcotics Divisions
- Ports of Entry
- Transportation

TEST ANY SAMPLE

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



TEST LIKE A LAB AT YOUR DESK

LightLab'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.



LIGHTLAB SPECIFICATIONS

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|-----------------------------------|---|
| 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 |
| Interface | 7" touch screen |
| Access | Wi-Fi |
| Results | On-screen, CSV (excel compatible), text, email, raw Chromatogram |
| Law Enforcement Presumptive Mode | THC:CBD ratio - low, high, not detected |
| Law Enforcement Quantitative Mode | Δ 9THC, THCA, Total Potential THC, CBD, CBDA, Total Potential CBD, CBN, CBG, CBGA |
| Minors Module (optional) | CBN-A, CBC, CBC-A, Δ 6,10a-THC |
| Hemp Compliance Module (optional) | Δ 9THC, THC-A, Total Potential THC, Dry Plant Range 0.05-0.3% |
| 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 | 1 g |
| Warranty | 1 year, extended options available |



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