LAB ACCURATE. IN-HOUSE. IN ORANGE.

Whether you have spent your career at a lab bench or have no technical background at all, you will find value in LightLab’s powerful HPLC analysis and easy, guided workflow which delivers lab-grade cannabinoid measurement in real-time, on-site.

Portable, accurate and low cost, the LightLab™ cannabinoid analyzer is capable of measuring 11+ cannabinoids in nine sample types.

LIGHTLAB MODULES

LightLab comes with standard capabilities designed to support typical cannabis quality control requirements. You can add a variety of modules to maximize LightLab’s capabilities.

STANDARD MODULE
Cultivators, processors, law enforcement - Measures Δ9THC, THC-A, CBD, CBD-A, CBG, CBG-A, and CBN to provide baseline metrics for cannabis plant and plant derived products.

HEMP COMPLIANCE MODULE
Farmers, hemp processors, regulators - Detects Δ9THC, THC-A, and provides Total Potential THC in plant material down to 0.03%, ten times lower than the United States’ threshold of 0.3%.

MINORS MODULE
Cultivators, processors, breeders – For those pushing the envelope, the Minors Module, will analyze rare cannabinoids CBN-A, CBC-A, and to maximize product value. In addition, the Minors Module includes Δ6a,10a-THC (Dihydroxy-THC) and indicator of extraction and distillation problems.

TERPENES MODULE
Cultivators, processors – This module supports the semi-quantitative analysis of naturally occurring terpenes in cannabis.

HIGH SENSITIVITY LIGHTLAB
Infused product producers, processors, breeders - This LightLab add-on enhances the sensitivity of the instrument 50x. Great option for those manufacturing low-dose infused products, early identification of unique cultivars, or cultivars that contain unique minor cannabinoids.

SAMPLE TYPES
• Plant/Flower
• Biomass
• Young Plant
• Concentrate
• Tinctures
• Isolate
• Infused Products
• Edibles (Contact us)
• Raffinate

FEATURES
• 0-100% cannabinoid content
• Results in 10 minutes
• Easy sample preparation
• Wi-Fi enabled
• 8-hour battery life
REAL-TIME SAMPLE ANALYSIS
LightLab uses the same techniques as a cannabis laboratory-High Performance Liquid Chromatography (HPLC). This analytical technique separates cannabinoids in the sample before quantification, resulting in high confidence and accuracy. The final analysis produces a report that presents the weight percent for each of the detected cannabinoids.

LIGHTLAB SPECIFICATIONS

<table>
<thead>
<tr>
<th>Dimension</th>
<th>18.5 x 6.9 x 14.1 inches</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight</td>
<td>13.5 pounds</td>
</tr>
<tr>
<td>Power Requirements</td>
<td>18V, 1.5A (120-240 AC Adapter included)</td>
</tr>
<tr>
<td>Battery Life</td>
<td>8 hours, rechargeable</td>
</tr>
<tr>
<td>Interface</td>
<td>7” touch screen</td>
</tr>
<tr>
<td>Data Access</td>
<td>Wi-Fi</td>
</tr>
<tr>
<td>Results</td>
<td>On-screen, CSV (excel compatible), text, email</td>
</tr>
<tr>
<td>Standard Analytes</td>
<td>Δ9THC, THC-A, CBD, CBD-A, CBN, CBG, CBG-A</td>
</tr>
<tr>
<td>Minors Module</td>
<td>CBN-A, CBC, CBC-A, Δ6,10a-THC</td>
</tr>
<tr>
<td>Hemp Compliance Module</td>
<td>Δ9THC, THC-A, Total Potential THC, Dry Plant Range 0.05-0.3%</td>
</tr>
<tr>
<td>Terpenes Module</td>
<td>Total Terpenes (semi-quantitative)</td>
</tr>
<tr>
<td>Measurement Time</td>
<td>8.5 minutes (2 minute zero)</td>
</tr>
<tr>
<td>Sample Preparation</td>
<td>Simple solvent extraction</td>
</tr>
<tr>
<td>Products Measured</td>
<td>Plant, concentrates, biomass, young plant, processed waste, tinctures, isolate, infused products</td>
</tr>
<tr>
<td>Sample Size</td>
<td>≤ 1 g</td>
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<tr>
<td>Warranty</td>
<td>1 year, extended options available</td>
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