# LightLab 3 HS

High Sensitivity Cannabis Analyzer

## The World's First Edibles-Capable HPLC Designed for Production and R&D Environments

Beverages | Beverage Enhancers | Gummies | Chocolates | Baked Goods | Nanoemulsions
Hard Candies | Mints | Taffy | Pet Products | Flower | Concentrates | Tinctures | Custom Modes

LIGHTLAB IS THE MOST COST EFFECTIVE WAY TO BRING LAB-QUALITY TESTING IN-HOUSE.

### Ultra-Low Detection Limits

With 30 times higher sensitivity than LightLab 3, LightLab 3HS can quantify cannabinoids below 2 ppm. That gives LightLab 3HS analysis capability from 99% isolate all the way down to a 1mg infused beverage.

### Proven Accuracy, Traceability

LightLab 3 has third-party proven accuracy, known repeatability and reproducibility, and is ready for GMP compliant facilities. LightLab arrives pre-calibrated using certified reference materials.

### Dedicated Standard Operating Procedures (SOPs)

LightLab 3HS has a dedicated edibles user interface that automatically builds SOPs based on your particular sample. SOPs can be saved for later use, and even triggered by a barcode scan of a product SKU.

### Detailed Results and COA

Results include up to 19 cannabinoids displayed as percent, mg per sample and mg per package. COAs can be instantly shared via mobile devices. Full HPLC chromatograms are available for deep analysis of results.

### Economical, Accurate, Fast

LightLab's Selective Separation Column technology does sample cleanup for you. Traditional HPLC analysis requires specialized tools, expensive solvents and time-consuming preparations to avoid damaging expensive columns. LightLab's column design does double duty of separation and cleanup. Samples are easily prepared and, in some cases, can be analyzed with no sample preparation. Simple sample preparation removes errors and results in higher accuracy especially at the production line.


CALL US FOR MORE INFO

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## CERTIFICATE OF ANALYSIS

Scan this QR code to view LightLab 3 Mobile Monitoring, and generate a Certificate of Analysis (CoA). Every LightLab 3 CoA bears a permanent QR code which provides an indelible record of the test. If you scan the QR code on the CoA itself you will be able to view, download and share test results.

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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 Type | Lithium Ion, 14.8V 4400mAh, 8 hours run time, rechargeable |
| Interface | 7” touch screen |
| Analytical Technique | Variable injection volume liquid chromatography with multiple wavelength UV detector |
| Result Units | %, mg/serving, mg/package, mg/g, mg/ml |
| Data Access | On-screen, CSV, CoA, chromatogram, Mobile Monitoring webpage, text, email. Wi-Fi capable, not required for operation. |
| Detection Limit | Down to 1.7ppm (0.00017%), sample type and cannabinoid dependent. |
| Sample Preparation | Direct inject or simple solvent extraction, sample type dependent |
| Standard Operating Procedures | Automatically generated based on sample type, product presets |
| Products Measured | Beverages, gummies, chocolates, baked goods, hard candies, mints, nanoemulsions, taffy, enhancers, plant, pet products, concentrates, biomass, young plant, processed waste, tinctures, isolate. Custom mode. |
| Standard Analytes | D9THC, THC-A, CBD, CBD-A, CBN, CBG, CBG-A |
| Minors Module | CBN-A, CBC, CBC-A, D8-THC, D10-THC, THCV-A, THCV |
| Converted Module | D9-THC-O Acetate, D8-THC-O Acetate, D9-THCP, D8-THCP, HHC |
| Terpenes Module | Total Terpenes (semi-quantitative) |
| Hemp Compliance Module | D9THC, THC-A, Total Potential THC, Dry Plant Range 0.05-0.3% |
| Measurement Time | 8.5 minutes, sample preparation 2-10 (sample type dependent) |
| Integration | Barcode reader, keyboard, scale |
| Warranty | 1 year, extended options available |

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