

Cannabinoid Testing for Beverage Manufacturers



Finished Beverages | Liquid Beverage Enhancers | Dry/Powder Beverage Enhancers | Liquid Nanoemulsions | Dry/Powder Nanoemulsions

COST-EFFECTIVE IN-HOUSE TESTING FOR CANNABINOID BEVERAGE MANUFACTURERS

LightLab 3 BEV Cannabis Analyzer is designed specifically for the fast-growing cannabis and hemp beverage industry. Now, your team can quickly and easily test nano-emulsions, beverage enhancers and finished beverages for up to 18 cannabinoids, in-house or on-site. No technical expertise is required. Get laboratory-grade results in minutes.

Δ 9-THC | THC-A | CBD | CBD-A | CBN | CBG | CBG-A | CBN-A | CBC | CBC-A | Δ 8-THC | Δ 10-THC
THCV-A | THCV | Δ 9-THC-O Acetate | Δ 8-THC-O Acetate | Δ 9-THCP | HHC

Cost Savings

Cut routine testing costs by bringing analysis in-house. Reserve third-party labs for required compliance, not everyday QA.

Quality Control

Verify dosing accuracy during production runs. Identify and resolve issues quickly, reduce waste, and keep operations running smoothly.

Batch Accuracy & Speed

Confirm label accuracy in-house. Skip external lab delays, make rapid decisions, and get compliant products to market faster—protecting your brand and keeping operations efficient.

Verify Purchased Nanos

Confirm the potency of nano-emulsions pre-production. Validate supplier COAs, protect margins, prevent formulation errors, and maintain product quality, helping safeguard your brand and reputation.

Research & Development

Formulate new beverages, adjust recipes on the spot, and shorten development cycles without waiting on outside labs.

Regulatory Readiness

Maintain thorough testing records with LightLab Dashboard and CoAs. Stay audit-ready and in good standing with regulators.

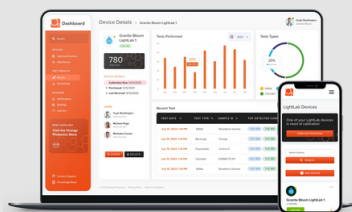
- Easy-To-Use Interface
- Guided Sample Prep
- Measures 18 Cannabinoids
- Results in Under 15 Minutes

CERTIFICATE OF ANALYSIS.

Scan this QR code to view a sample LightLab 3 Certificate of Analysis (CoA).



Every LightLab 3 CoA bears a permanent QR code which provides an indelible record of the test. Scan the QR code on the CoA itself to view, download and share test results.



The easiest path toward applied testing data.

- Manage your LightLab 3 fleet performance.
- View sample details and test results.
- Share test results via text or email.
- View your complete test history.
- Compare and analyze test results.
- Download a CSV report.
- Generate and share Certificates of Analysis (CoAs).



Scan to see
sample test
results in
LightLab
Dashboard

LightLab 3 BEV Cannabis Analyzer Specifications

Dimensions/Weight	18.5 x 6.9 x 14.1 inches/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, LightLab Dashboard online, CSV, CoA, chromatogram, 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	Finished beverages, liquid beverage enhancers, dry/powder beverage enhancers, liquid nanoemulsions, dry/powder nanoemulsions
Standard Analytes	D9THC, THC-A, CBD, CBD-A, CBN, CBG, CBG-A, CBN-A, CBC, CBC-A, D8-THC, D10-THC, THCV-A, THCV, D9-THC-O Acetate, D8-THC-O Acetate, D9-THCP, HHC
Terpenes	Total Terpenes (semi-quantitative)
Measurement Time	8.5 minutes, sample preparation 2-10 (sample type dependent)
Integration	Barcode reader, keyboard, scale
Warranty	1 year, extended options available