

## Certificate of Analysis

Produced: Aug 01, 2025

Sample: Iced Tea & Lemonade (Edible Liquid) • Client: Hop the Wave, 38 Evergreen Drive, Portland, ME 04103  
FDA Registration Number: 15349051600



Batch No.: 072125  
Matrix: Edible Liquid  
Density: 1.00444 g/ml  
Sample ID: ICC-250731-26-001  
Collected on: Jul 31, 2025  
Received on: Jul 31, 2025  
Sample Size: 1 Units  
Package Size: 365.48 g

## Tests Taken

## Potency

## Cannabinoid Overview

Total THC: 9.90 mg/pkg  
Total CBD: 0.000 mg/pkg  
Total Cannabinoids: 9.90 mg/pkg  
Sum of Cannabinoids: 9.90 mg/pkg

## POT-INST-005: POT-INST-005: Potency

| Analyte | Amt (mg/pkg) | Amt (%)   | Amt (mg/ml) | LOD/LOQ (mg/ml)  | Pass/Fail | Analyte              | Amt (mg/pkg) | Amt (%) | Amt (mg/ml) | LOD/LOQ (mg/ml)  | Pass/Fail |
|---------|--------------|-----------|-------------|------------------|-----------|----------------------|--------------|---------|-------------|------------------|-----------|
| CBC     |              | ND        | ND          | 0.00110/0.00329  | N/A       | CBT                  |              | ND      | ND          | 0.000477/0.00167 | N/A       |
| CBD     |              | ND        | ND          | 0.000336/0.00167 | N/A       | $\Delta^8$ -THC      |              | ND      | ND          | 0.000269/0.00167 | N/A       |
| CBDA    |              | ND        | ND          | 0.000805/0.00241 | N/A       | $\Delta^9$ -THC      | 9.90         | 0.00271 | 0.0272      | 0.000445/0.00167 | N/A       |
| CBDV    |              | ND        | ND          | 0.000266/0.00167 | N/A       | THCA                 |              | ND      | ND          | 0.000612/0.00184 | N/A       |
| CBG     | < 1 mg/ml    | < 1 mg/ml | < 1 mg/ml   | 0.000380/0.00167 | N/A       | THCV                 |              | ND      | ND          | 0.000206/0.00167 | N/A       |
| CBGA    |              | ND        | ND          | 0.000593/0.00178 | N/A       | Total THC**          | 9.90         | 0.00271 | 0.0272      |                  | N/A       |
| CBL     |              | ND        | ND          | 0.000262/0.00167 | N/A       | Total CBD**          |              | ND      | ND          |                  | N/A       |
| CBN     |              | ND        | ND          | 0.000380/0.00167 | N/A       | Total Cannabinoids** | 9.90         | 0.00271 | 0.0272      |                  | N/A       |

\*\* Total Cannabinoids = Neutral Cannabinoids + (Acidic Cannabinoids \* 0.877)

\*\* Total THC = Delta-10-THC + Delta-8-THC + (Delta-8-THCA x 0.877) + Delta-9-THC + THC-O-acetate + (THCA x 0.877)

\*\* Total CBD = CBD + (CBDA x 0.877)

NR= Not Reported, ND= Not Detected, \*Reported by Dry Mass\*; \*analytical instrumentation used Cannabinoids: UHPLC-DAD, Moisture: Mass by Drying, Water Activity: Water Activity Meter, Foreign: Microscope\*

\*Density tested at a temperature range between 19-24 °C, \*Water Activity tested at a humidity range between 0-90% Relative Humidity. All OA samples are sampled by the client, All California State Compliant samples sampled using SAMPL-SOP-001.



## Certificate of Analysis

Produced: Aug 06, 2025

Sample: Iced Tea &amp; Lemonade (Edible Liquid) • Client: Hop the Wave • Batch: Pass



Batch No.: 072125  
Matrix: Edible Liquid  
Sample ID: ICC-250731-26-002  
Collected on: Jul 31, 2025  
Received on: Jul 31, 2025  
Sample Size: 1 Units  
Package Size: 366.37 g

Batch Result: Pass

|           |      |            |      |
|-----------|------|------------|------|
| Solvents  | Pass | Mycotoxins | Pass |
| Metals    | Pass | Pesticides | Pass |
| Microbial | Pass | Foreign    | Pass |

infinite**CAL**

## RS-INST-003, RS-PREP-001: RS-INST-003, RS-PREP-001: Residual Solvents by GC-MS • Aug 01, 2025

| Analyte            | Limit (µg/g) | Amt (µg/g) | LOD/LOQ (µg/g) | Pass/Fail | Analyte            | Limit (µg/g) | Amt (µg/g) | LOD/LOQ (µg/g) | Pass/Fail |
|--------------------|--------------|------------|----------------|-----------|--------------------|--------------|------------|----------------|-----------|
| 1,2-Dichloroethane | 1            | ND         | 0.174/0.531    | Pass      | Hexane             | 290          | ND         | 0.0689/0.293   | Pass      |
| Acetone            | 5000         | ND         | 17.8/53.5      | Pass      | Isopropyl alcohol  | 5000         | ND         | 1.34/4.01      | Pass      |
| Acetonitrile       | 410          | ND         | 0.125/0.375    | Pass      | Methanol           | 3000         | ND         | 3.10/9.31      | Pass      |
| Benzene            | 1            | ND         | 0.0219/0.0667  | Pass      | Methylene chloride | 1            | ND         | 0.133/0.761    | Pass      |
| Butane             | 5000         | ND         | 1.01/5.06      | Pass      | Pentane            | 5000         | ND         | 1.00/4.46      | Pass      |
| Chloroform         | 1            | ND         | 0.0376/0.113   | Pass      | Propane            | 5000         | ND         | 4.63/13.9      | Pass      |
| Ethanol            | 5000         | 253        | 2.73/8.19      | Pass      | Toluene            | 890          | ND         | 0.0918/0.902   | Pass      |
| Ethyl acetate      | 5000         | ND         | 0.327/2.39     | Pass      | Trichloroethylene  | 1            | ND         | 0.0188/0.151   | Pass      |
| Ethylene oxide     | 1            | ND         | 0.160/0.604    | Pass      | o-Xylene           | ND           | ND         | 0.105/0.894    | N/A       |
| Ethyl ether        | 5000         | ND         | 1.23/3.70      | Pass      | p- and m-Xylene    | ND           | ND         | 0.120/1.79     | N/A       |
| Heptane            | 5000         | ND         | 0.717/2.98     | Pass      | Total xylenes      | 2170         | ND         |                | Pass      |

Compliance requirements for this test are taken from CA Cannabis/Hemp (Based on Submission Type) regulations.



**HM-INST-003, HM-PREP-001: HM-INST-003, HM-PREP-001: Heavy Metals Testing by ICP-MS • Jul 31, 2025**

| Analyte | Limit (µg/g) | Amt (µg/g) | LOD/LOQ (µg/g)  | Pass/Fail | Analyte | Limit (µg/g) | Amt (µg/g) | LOD/LOQ (µg/g)  | Pass/Fail |
|---------|--------------|------------|-----------------|-----------|---------|--------------|------------|-----------------|-----------|
| Arsenic | 1.5          | ND         | 0.00300/0.00900 | Pass      | Lead    | 0.5          | ND         | 0.00100/0.00400 | Pass      |
| Cadmium | 0.5          | ND         | 0.00100/0.00200 | Pass      | Mercury | 3            | ND         | 0.00500/0.0140  | Pass      |

Compliance requirements for this test are taken from CA Cannabis/Hemp (Based on Submission Type) regulations.

**MICRO-008, MICRO-INST-001, MICRO-PREP-001: MICRO-008, MICRO-INST-001, MICRO-PREP-001: PCR-Microbial (noninhalable) • Aug 01, 2025**

| Analyte         | Limit             | Amt | Pass/Fail | Analyte                       | Limit             | Amt | Pass/Fail |
|-----------------|-------------------|-----|-----------|-------------------------------|-------------------|-----|-----------|
| Salmonella spp. | Any amt in 1 gram | ND  | Pass      | Shiga toxin-producing E. coli | Any amt in 1 gram | ND  | Pass      |

Compliance requirements for this test are taken from CA Cannabis/Hemp (Based on Submission Type) regulations.

**MICR-002: MICR-002: Petrifilm-Coliforms • Aug 05, 2025**

| Analyte   | Limit (CFU/g) | Amt (CFU/g) | Pass/Fail |
|-----------|---------------|-------------|-----------|
| Coliforms | 100           | ND          | Pass      |

Compliance requirements for this test are taken from CO Hemp regulations.

**Petrifilm-Listeria • Aug 05, 2025**

| Analyte       | Limit | Amt (CFU/g) | Pass/Fail |
|---------------|-------|-------------|-----------|
| Listeria spp. |       | ND          | N/A       |

Compliance requirements for this test are taken from CO Hemp regulations.

**MICR-002: MICR-002: Petrifilm-Salmonella • Aug 06, 2025**

| Analyte         | Limit (CFU/g)     | Amt (CFU/g) | Pass/Fail |
|-----------------|-------------------|-------------|-----------|
| Salmonella spp. | Any amt in 1 gram | ND          | Pass      |

Compliance requirements for this test are taken from CO Hemp regulations.

**MICR-005, MICR-006: MICR-005, MICR-006: Petrifilm-Rapid Yeast & Mold • Aug 06, 2025**

| Analyte      | Limit (CFU/g) | Amt (CFU/g) | Pass/Fail |
|--------------|---------------|-------------|-----------|
| Yeast & Mold | 1000          | ND          | Pass      |

Compliance requirements for this test are taken from CO Hemp regulations.

**MICR-002: MICR-002: Petrifilm-Aerobic • Aug 06, 2025**

| Analyte          | Limit (CFU/g) | Amt (CFU/g) | Pass/Fail |
|------------------|---------------|-------------|-----------|
| Aerobic Bacteria | 10000         | ND          | Pass      |

Compliance requirements for this test are taken from CO Hemp regulations.

**Petrifilm-E. Coli • Aug 06, 2025**

| Analyte          | Limit | Amt (CFU/g) | Pass/Fail |
|------------------|-------|-------------|-----------|
| Escherichia coli |       | ND          | N/A       |

Compliance requirements for this test are taken from CO Hemp regulations.

**PESTMYCO-LC-INST-004, PESTMYCO-LC-PREP-001: PESTMYCO-LC-INST-004, PESTMYCO-LC-PREP-001: Mycotoxin Analysis by LC-MS/MS • Aug 01, 2025**

| Analyte      | Limit (µg/kg) | Amt (µg/kg) | LOD/LOQ (µg/kg) | Pass/Fail | Analyte      | Limit (µg/kg) | Amt (µg/kg) | LOD/LOQ (µg/kg) | Pass/Fail |
|--------------|---------------|-------------|-----------------|-----------|--------------|---------------|-------------|-----------------|-----------|
| Aflatoxin B1 |               | ND          | 2.60/7.88       | N/A       | Aflatoxin G2 |               | ND          | 1.89/5.72       | N/A       |
| Aflatoxin B2 |               | ND          | 2.04/6.18       | N/A       | Aflatoxins   | 20            | ND          |                 | Pass      |
| Aflatoxin G1 |               | ND          | 2.97/8.99       | N/A       | Ochratoxin A | 20            | ND          | 3.87/11.7       | Pass      |

Compliance requirements for this test are taken from CA Cannabis/Hemp (Based on Submission Type) regulations.



# PEST-GC-INST-003, PEST-GC-PREP-001: PEST-GC-INST-003, PEST-GC-PREP-001: Pesticide Analysis by GC-MS/MS • Aug 01, 2025

| Analyte      | Limit (µg/g) | Amt (µg/g) | LOD/LOQ (µg/g) | Pass/Fail | Analyte                 | Limit (µg/g) | Amt (µg/g) | LOD/LOQ (µg/g) | Pass/Fail |
|--------------|--------------|------------|----------------|-----------|-------------------------|--------------|------------|----------------|-----------|
| Captan       | 5            | ND         | 0.120/0.358    | Pass      | Cypermethrin            | 1            | ND         | 0.0145/0.0435  | Pass      |
| Chlordane    | Any amt      | ND         | 0.0249/0.0747  | Pass      | Methyl parathion        | Any amt      | ND         | 0.00811/0.0243 | Pass      |
| Chlorfenapyr | Any amt      | ND         | 0.0251/0.0753  | Pass      | Pentachloronitrobenzene | 0.2          | ND         | 0.0182/0.0545  | Pass      |
| Cyfluthrin   | 1            | ND         | 0.0186/0.0558  | Pass      |                         |              |            |                |           |

Compliance requirements for this test are taken from CA Cannabis/Hemp (Based on Submission Type) regulations.

# PESTMYCO-LC-INST-004, PESTMYCO-LC-PREP-001: PESTMYCO-LC-INST-004, PESTMYCO-LC-PREP-001: Pesticide Analysis by LC-MS/MS • Aug 01, 2025

| Analyte             | Limit (µg/g) | Amt (µg/g) | LOD/LOQ (µg/g) | Pass/Fail | Analyte                 | Limit (µg/g) | Amt (µg/g) | LOD/LOQ (µg/g) | Pass/Fail |
|---------------------|--------------|------------|----------------|-----------|-------------------------|--------------|------------|----------------|-----------|
| Abamectin           | 0.3          | ND         | 0.0500/0.100   | Pass      | Metalaxyl               | 15           | ND         | 0.0101/0.0306  | Pass      |
| Abamectin Ba        |              | ND         | 0.0330/0.0990  | N/A       | Methiocarb              | Any amt      | ND         | 0.0156/0.0473  | Pass      |
| Acephate            | 5            | ND         | 0.0164/0.0497  | Pass      | Methomyl                | 0.1          | ND         | 0.0158/0.0479  | Pass      |
| Acequinocyl         | 4            | ND         | 0.0194/0.0587  | Pass      | Mevinphos               | Any amt      | ND         | 0.0139/0.0423  | Pass      |
| Acetamiprid         | 5            | ND         | 0.0146/0.0442  | Pass      | Myclobutanil            | 9            | ND         | 0.0180/0.0546  | Pass      |
| Aldicarb            | Any amt      | ND         | 0.0216/0.0654  | Pass      | Naled                   | 0.5          | ND         | 0.0170/0.0514  | Pass      |
| Azoxystrobin        | 40           | ND         | 0.00960/0.0291 | Pass      | Oxamyl                  | 0.2          | ND         | 0.0153/0.0465  | Pass      |
| Bifenazate          | 5            | ND         | 0.0115/0.0349  | Pass      | Paclobutrazol           | Any amt      | ND         | 0.0132/0.0400  | Pass      |
| Bifenthrin          | 0.5          | ND         | 0.0130/0.0395  | Pass      | Permethrin              | 20           | ND         | 0.00831/0.0300 | Pass      |
| Boscalid            | 10           | ND         | 0.0197/0.0596  | Pass      | Permethrin cis          |              | ND         | 0.0200/0.0300  | N/A       |
| Carbaryl            | 0.5          | ND         | 0.0160/0.0486  | Pass      | Permethrin trans        |              | ND         | 0.0200/0.0300  | N/A       |
| Carbofuran          | Any amt      | ND         | 0.00902/0.0300 | Pass      | Phosmet                 | 0.2          | ND         | 0.0125/0.0377  | Pass      |
| Chlorantraniliprole | 40           | ND         | 0.0209/0.0632  | Pass      | Piperonylbutoxide       | 8            | ND         | 0.00759/0.0300 | Pass      |
| Chlorpyrifos        | Any amt      | ND         | 0.0176/0.0534  | Pass      | Prallethrin             | 0.4          | ND         | 0.0226/0.0685  | Pass      |
| Clofentezine        | 0.5          | ND         | 0.0129/0.0389  | Pass      | Propiconazole           | 20           | ND         | 0.0195/0.0590  | Pass      |
| Coumaphos           | Any amt      | ND         | 0.0185/0.0559  | Pass      | Propoxur                | Any amt      | ND         | 0.0155/0.0471  | Pass      |
| Daminozide          | Any amt      | ND         | 0.0261/0.0791  | Pass      | Pyrethrins              | 1            | ND         | 0.00431/0.0300 | Pass      |
| Diazinon            | 0.2          | ND         | 0.00645/0.0300 | Pass      | Pyrethrins Jasmolin I   |              | ND         |                | N/A       |
| Dichlorvos          | Any amt      | ND         | 0.0223/0.0674  | Pass      | Pyrethrins Jasmolin II  |              | ND         |                | N/A       |
| Dimethoate          | Any amt      | ND         | 0.0118/0.0356  | Pass      | Pyrethrins Pyrethrin I  |              | ND         | 0.0100/0.0450  | N/A       |
| Dimethomorph        | 20           | ND         | 0.0137/0.0416  | Pass      | Pyrethrins Pyrethrin II |              | ND         | 0.0100/0.0300  | N/A       |
| Ethoprophos         | Any amt      | ND         | 0.0174/0.0528  | Pass      | Pyridaben               | 3            | ND         | 0.0115/0.0350  | Pass      |
| Etofenprox          | Any amt      | ND         | 0.00849/0.0300 | Pass      | Spinetoram              | 3            | ND         | 0.00639/0.0300 | Pass      |
| Ettoxazole          | 1.5          | ND         | 0.00783/0.0300 | Pass      | Spinetoram J            |              | ND         | 0.00500/0.0100 | N/A       |
| Fenhexamid          | 10           | ND         | 0.0129/0.0392  | Pass      | Spinetoram L            |              | ND         | 0.00500/0.0100 | N/A       |
| Fenoxycarb          | Any amt      | ND         | 0.0144/0.0435  | Pass      | Spinosad                | 3            | ND         | 0.00410/0.0300 | Pass      |
| Fenpyroximate       | 2            | ND         | 0.00972/0.0300 | Pass      | Spinosad A              |              | ND         | 0.00500/0.0100 | N/A       |
| Fipronil            | Any amt      | ND         | 0.0148/0.0447  | Pass      | Spinosad D              |              | ND         | 0.00500/0.0100 | N/A       |
| Flonicamid          | 2            | ND         | 0.0268/0.0811  | Pass      | Spiromesifen            | 12           | ND         | 0.0137/0.0416  | Pass      |
| Fludioxonil         | 30           | ND         | 0.0153/0.0464  | Pass      | Spirotetramat           | 13           | ND         | 0.0134/0.0407  | Pass      |
| Hexythiazox         | 2            | ND         | 0.0257/0.0778  | Pass      | Spiroxamine             | Any amt      | ND         | 0.0106/0.0320  | Pass      |
| Imazalil            | Any amt      | ND         | 0.0156/0.0474  | Pass      | Tebuconazole            | 2            | ND         | 0.0144/0.0437  | Pass      |
| Imidacloprid        | 3            | ND         | 0.0235/0.0711  | Pass      | Thiacloprid             | Any amt      | ND         | 0.0139/0.0421  | Pass      |
| Kresoxim-methyl     | 1            | ND         | 0.0125/0.0379  | Pass      | Thiamethoxam            | 4.5          | ND         | 0.0181/0.0549  | Pass      |
| Malathion           | 5            | ND         | 0.0117/0.0354  | Pass      | Trifloxystrobin         | 30           | ND         | 0.0102/0.0310  | Pass      |

Compliance requirements for this test are taken from CA Cannabis/Hemp (Based on Submission Type) regulations.



*DM*