SC Labs®

# Hemp Regulatory Compliance Testing
# CERTIFICATE OF ANALYSIS

DATE ISSUED 05/06/2026

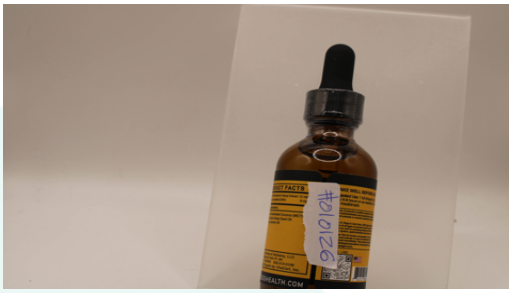
## SAMPLE DETAILS

### SAMPLE NAME: CALM Tincture
Infused, Hemp

### CLIENT
**Business Name:** House of Alchemy LLC
**License Number:**
**Address:** 23110 State Rd 54, Unit 361
Lutz FL 33549

### SAMPLE DETAIL
**Batch Number:** 010126
**Sample ID:** 260428L020

**Date Collected:** 04/28/2026
**Date Received:** 04/28/2026
**Batch Size:**
**Sample Size:**
**Unit Mass:** 56.7 grams per Unit
**Serving Size:**




Scan QR code to verify authenticity of results.

## CANNABINOID ANALYSIS - SUMMARY

**Total THC:** 20.355 mg/unit

**Total CBD:** 679.379 mg/unit

**Sum of Cannabinoids:** 791.589 mg/unit

**Total Cannabinoids:** 791.589 mg/unit

Total THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during the decarboxylation step:
Total THC = $\Delta^9$-THC + (THCa (0.877))
Total CBD = CBD + (CBDa (0.877))
Sum of Cannabinoids = $\Delta^9$-THC + THCa + CBD + CBDa + CBG + CBGa + THCV + THCVa + CBC + CBCa + CBDV + CBDVa + $\Delta^8$-THC + CBN + CBNa
Total Cannabinoids = ($\Delta^9$-THC+0.877*THCa) + (CBD+0.877*CBDa) + (CBG+0.877*CBGa) + (THCV+0.877*THCVa) + (CBC+0.877*CBCa) + (CBDV+0.877*CBDVa) + $\Delta^8$-THC + (CBN+0.877*CBNa)

## TERPENOID ANALYSIS - SUMMARY

20 TESTED, TOP 3 HIGHLIGHTED

**Total Terpenoids:** 0.5975%

Linalool 3.3506 mg/g | β-Ocimene 1.3241 mg/g | β-Caryophyllene 0.6367 mg/g

## SAFETY ANALYSIS - SUMMARY

**Pesticides:** ND
**Mycotoxins:** PASS
**Residual Solvents:** ND
**Heavy Metals:** PASS
**Microbiology (PCR):** ND
**Microbiology (Plating):** ND

These results relate only to the sample included on this report.
This report shall not be reproduced, except in full, without written approval of the laboratory.

**Sample Certification:** Colorado Marijuana Rules 1 CCR 212-3

**References:** limit of detection (LOD), limit of quantification (LOQ), not detected (ND), not tested (NT), µg/g = ppm, µg/kg = ppb, too numerous to count >250 cfu/plate (TNTC), colony-forming unit (cfu)

Approved by: Sam Schumann
Laboratory Director
Date: 05/06/2026

Amendment to Certificate of Analysis 260428L020-002

## Cannabinoid Analysis

Tested by high-performance liquid chromatography with diode-array detection (HPLC-DAD).

**Method:** (GLB-TM-14) Cannabinoid Potency Determination

### TOTAL THC: 20.355 mg/unit

Total THC ($\Delta^9$-THC+0.877*THCa)

### TOTAL CBD: 679.379 mg/unit

Total CBD (CBD+0.877*CBDa)

### TOTAL CANNABINOIDS: 791.589 mg/unit

Total Cannabinoids (Total THC) + (Total CBD) + (Total CBG) + (Total THCV) + (Total CBC) + (Total CBDV) + $\Delta^8$-THC + (Total CBN)

### TOTAL CBG: 57.664 mg/unit

Total CBG (CBG+0.877*CBGa)

### TOTAL THCV: ND

Total THCV (THCV+0.877*THCVa)

### TOTAL CBC: 34.190 mg/unit

Total CBC (CBC+0.877*CBCa)

### TOTAL CBDV: ND

Total CBDV (CBDV+0.877*CBDVa)

*Exclusions[1] see last page*

**CANNABINOID TEST RESULTS -** 04/29/2026

| COMPOUND | LOD/LOQ (mg/g) | MEASUREMENT UNCERTAINTY (mg/g) | RESULT (mg/g) | RESULT (%) |
|---|---|---|---|---|
| CBD | *0.007 / 0.147* | *±0.8028* | 11.982 | 1.1982 |
| CBG | *0.004 / 0.032* | *±0.0352* | 1.017 | 0.1017 |
| CBC | *0.001 / 0.057* | *±0.0428* | 0.603 | 0.0603 |
| $\Delta^9$-THC | *0.002 / 0.147* | *±0.0255* | 0.359 | 0.0359 |
| $\Delta^8$-THC | *0.002 / 0.162* | *N/A* | ND | ND |
| THCa | *0.006 / 0.130* | *N/A* | ND | ND |
| THCV | *0.003 / 0.029* | *N/A* | ND | ND |
| THCVa | *0.002 / 0.115* | *N/A* | ND | ND |
| CBDa | *0.008 / 0.151* | *N/A* | ND | ND |
| CBDV | *0.005 / 0.035* | *N/A* | ND | ND |
| CBDVa | *0.002 / 0.063* | *N/A* | ND | ND |
| CBGa | *0.003 / 0.136* | *N/A* | ND | ND |
| CBN | *0.002 / 0.043* | *N/A* | ND | ND |
| CBCa | *0.003 / 0.052* | *N/A* | ND | ND |
| CBNa | *0.002 / 0.093* | *N/A* | ND | ND |
| SUM OF CANNABINOIDS | | | 13.961 mg/g | 1.3961% |

**Unit Mass: 56.7 grams per Unit**

| | |
|---|---|
| $\Delta^9$-THC per Unit | 20.355 mg/unit |
| Total THC per Unit | 20.355 mg/unit |
| CBD per Unit | 679.379 mg/unit |
| Total CBD per Unit | 679.379 mg/unit |
| Sum of Cannabinoids per Unit | 791.589 mg/unit |
| Total Cannabinoids per Unit | 791.589 mg/unit |

## Terpenoid Analysis

Terpene analysis utilizing gas chromatography-mass spectrometry (GC-MS).

**Method:** (GLB-TM-22) Terpene Determination - Hydrogen Carrier

*Exclusions[2] see last page*

**TERPENOID TEST RESULTS -** 04/30/2026

| COMPOUND | LOD/LOQ (mg/g) | MEASUREMENT UNCERTAINTY (mg/g) | RESULT (mg/g) | RESULT (%) |
|---|---|---|---|---|
| Linalool | *0.0076 / 0.0253* | *±0.13838* | 3.3506 | 0.33506 |
| β-Ocimene | *0.0093 / 0.0310* | *±0.07455* | 1.3241 | 0.13241 |
| β-Caryophyllene | *0.0018 / 0.0061* | *±0.02318* | 0.6367 | 0.06367 |
| α-Bisabolol | *0.0201 / 0.067* | *±0.0093* | 0.171 | 0.0171 |
| Eucalyptol | *0.0027 / 0.0089* | *±0.00533* | 0.1578 | 0.01578 |
| Terpinolene | *0.0033 / 0.0109* | *±0.00653* | 0.1455 | 0.01455 |
| Myrcene | *0.0081 / 0.0271* | *±0.00593* | 0.0846 | 0.00846 |
| α-Humulene | *0.0057 / 0.0189* | *±0.00260* | 0.0629 | 0.00629 |
| $\Delta^3$-Carene | *0.0035 / 0.0118* | *±0.00238* | 0.0281 | 0.00281 |
| γ-Terpinene | *0.0027 / 0.0091* | *±0.00053* | 0.0138 | 0.00138 |
| α-Pinene | *0.0153 / 0.0509* | *N/A* | <LOQ | <LOQ |

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## Terpenoid Analysis *Continued*

1 **Linalool**
A monoterpenoid alcohol with a fragrance that can be described as spicy, waxy, citrus and floral. It is commonly used as an insecticide against cockroaches, flies, fleas and other insects. Found in bail, lavender, cinnamon, hops, mugwort, goldenrods...etc.

2 **β-Ocimene**
A monoterpene with a fragrance that can be described as herbal, earthy, sweet with a hint of citrus. It is derived from members of the *Ocimum* genus, from which it lends its name. It also displays antifungal properties. A plant containing this terpene has been used in some traditional ayahuasca rituals and is also an important honey plant. Found in basil, tulsi, mint, oregano, parsley, some orchids, mangoes, tarragon...etc.

3 **β-Caryophyllene**
A sesquiterpene with a fragrance that can be described as spicy, woody, dry, dusty and mildly sweet. It was one of the first organic compounds to fully synthesized in a laboratory and plays a role in the endocannabinoid system as it is a functional $CB_2$ receptor agonist. Found in black pepper, clove, hops, rosemary, black-jack, perilla, spicebush, Indian pennywort, celery, frankincense, vitex, parsley, marigold, tamarind...etc.

**TERPENOID TEST RESULTS** - 04/30/2026 *continued*

| COMPOUND | LOD/LOQ (mg/g) | MEASUREMENT UNCERTAINTY (mg/g) | RESULT (mg/g) | RESULT (%) |
|---|---|---|---|---|
| β-Pinene | *0.015 / 0.05* | *N/A* | <LOQ | <LOQ |
| Camphene | *0.0145 / 0.0483* | *N/A* | <LOQ | <LOQ |
| Geraniol | *0.021 / 0.07* | *N/A* | <LOQ | <LOQ |
| Nerolidol | *0.003 / 0.01* | *N/A* | <LOQ | <LOQ |
| α-Terpinene | *0.0018 / 0.0061* | *N/A* | ND | ND |
| Caryophyllene Oxide | *0.035 / 0.1165* | *N/A* | ND | ND |
| Isopulegol | *0.0113 / 0.0376* | *N/A* | ND | ND |
| Limonene | *0.0041 / 0.0137* | *N/A* | ND | ND |
| p-Cymene | *0.0027 / 0.0091* | *N/A* | ND | ND |
| **TOTAL TERPENOIDS** | | | 5.975 mg/g | 0.5975% |

## Pesticide Analysis

Pesticide and plant growth regulator analysis utilizing high-performance liquid chromatography-mass spectrometry (HPLC-MS).

**Method:** (GLB-TM-17) Pesticide Analysis by LC-MS & GC-MS

*Exclusions[3] see last page*

**PESTICIDE TEST RESULTS** - 04/29/2026 **ND**

| COMPOUND | LOD/LOQ (µg/g) | MEASUREMENT UNCERTAINTY (µg/g) | RESULT (µg/g) |
|---|---|---|---|
| Abamectin | *0.224 / 0.746* | *N/A* | ND |
| Acephate | *0.005 / 0.016* | *N/A* | ND |
| Acetamiprid | *0.008 / 0.025* | *N/A* | ND |
| Azoxystrobin | *0.004 / 0.015* | *N/A* | ND |
| Bifenazate | *0.002 / 0.008* | *N/A* | ND |
| Boscalid | *0.015 / 0.05* | *N/A* | ND |
| Carbaryl | *0.022 / 0.074* | *N/A* | ND |
| Carbofuran | *0.002 / 0.007* | *N/A* | ND |
| Chlorantraniliprole | *0.017 / 0.057* | *N/A* | ND |
| Chlorpyrifos | *0.006 / 0.02* | *N/A* | ND |
| Clofentezine | *0.003 / 0.009* | *N/A* | ND |
| Diazinon | *0.003 / 0.01* | *N/A* | ND |
| Dichlorvos (DDVP) | *0.218 / 0.728* | *N/A* | ND |
| Dimethoate | *0.002 / 0.007* | *N/A* | ND |

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## Pesticide Analysis *Continued*

**PESTICIDE TEST RESULTS** - 04/29/2026 *continued* **ND**

| COMPOUND | LOD/LOQ (µg/g) | MEASUREMENT UNCERTAINTY (µg/g) | RESULT (µg/g) |
|---|---|---|---|
| Ethoprophos | *0.014 / 0.047* | *N/A* | ND |
| Etofenprox | *0.007 / 0.024* | *N/A* | ND |
| Etoxazole | *0.009 / 0.03* | *N/A* | ND |
| Fenoxycarb | *0.005 / 0.018* | *N/A* | ND |
| Fenpyroximate | *0.007 / 0.022* | *N/A* | ND |
| Fipronil | *0.028 / 0.094* | *N/A* | ND |
| Flonicamid | *0.004 / 0.015* | *N/A* | ND |
| Fludioxonil | *0.006 / 0.021* | *N/A* | ND |
| Hexythiazox | *0.015 / 0.048* | *N/A* | ND |
| Imazalil | *0.01 / 0.034* | *N/A* | ND |
| Imidacloprid | *0.009 / 0.031* | *N/A* | ND |
| Kresoxim-methyl | *0.016 / 0.054* | *N/A* | ND |
| Malathion | *0.011 / 0.037* | *N/A* | ND |
| Metalaxyl | *0.003 / 0.009* | *N/A* | ND |
| Methiocarb | *0.006 / 0.019* | *N/A* | ND |
| Methomyl | *0.002 / 0.006* | *N/A* | ND |
| MGK-264 | *0.017 / 0.055* | *N/A* | ND |
| Myclobutanil | *0.015 / 0.051* | *N/A* | ND |
| Naled | *0.008 / 0.027* | *N/A* | ND |
| Oxamyl | *0.002 / 0.008* | *N/A* | ND |
| Paclobutrazol | *0.004 / 0.012* | *N/A* | ND |
| Permethrin | *0.021 / 0.069* | *N/A* | ND |
| Phosmet | *0.005 / 0.018* | *N/A* | ND |
| Propoxur | *0.003 / 0.011* | *N/A* | ND |
| Pyridaben | *0.011 / 0.035* | *N/A* | ND |
| Spinosad | *0.013 / 0.043* | *N/A* | ND |
| Spiromesifen | *0.023 / 0.076* | *N/A* | ND |
| Spirotetramat | *0.003 / 0.011* | *N/A* | ND |
| Spiroxamine | *0.014 / 0.046* | *N/A* | ND |
| Tebuconazole | *0.013 / 0.042* | *N/A* | ND |
| Thiacloprid | *0.004 / 0.012* | *N/A* | ND |
| Thiamethoxam | *0.004 / 0.012* | *N/A* | ND |
| Trifloxystrobin | *0.003 / 0.011* | *N/A* | ND |

## Mycotoxin Analysis

Mycotoxin analysis utilizing high-performance liquid chromatography-mass spectrometry (HPLC-MS).

**Method:** (GLB-TM-18) Mycotoxins Contamination Determination in Concentrates

MYCOTOXIN TEST RESULTS - 04/29/2026 PASS

| COMPOUND | LOD/LOQ (µg/kg) | ACTION LIMIT (µg/kg) | MEASUREMENT UNCERTAINTY (µg/kg) | RESULT (µg/kg) | RESULT |
|---|---|---|---|---|---|
| Aflatoxin B1 | *0.313 / 1.03* | *5* | *N/A* | ND | PASS |
| Aflatoxin B2 | *0.313 / 1.03* | | *N/A* | ND | |
| Aflatoxin G1 | *0.333 / 1.10* | | *N/A* | ND | |
| Aflatoxin G2 | *0.354 / 1.17* | | *N/A* | ND | |
| Ochratoxin A | *0.717 / 2.37* | *5* | *N/A* | ND | PASS |
| Total Aflatoxin | | *20* | | ND | PASS |

## Residual Solvents Analysis

Residual Solvent analysis utilizing gas chromatography-mass spectrometry (GC-MS).

**Method:** (GLB-TM-04) Residual Solvent Determination - Helium Carrier Gas

**Total Butanes** = n-Butane + 2-Methylpropane (Isobutane)
**Total Xylenes** = 1,2-Dimethylbenzene (o-Xylene) + 1,3-Dimethylbenzene (m-Xylene) / 1,4-Dimethylbenzene (p-Xylene)

*Exclusions[4] see last page*

RESIDUAL SOLVENTS TEST RESULTS - 05/05/2026 ND

| COMPOUND | LOD/LOQ (µg/g) | MEASUREMENT UNCERTAINTY (µg/g) | RESULT (µg/g) |
|---|---|---|---|
| Propane | *11.229 / 37.429* | *N/A* | ND |
| 2-Methylpropane (Isobutane) | *11.966 / 39.887* | *N/A* | ND |
| n-Butane | *11.68 / 38.932* | *N/A* | ND |
| Total Butanes | | | ND |
| n-Pentane | *9.093 / 30.31* | *N/A* | ND |
| n-Hexane | *0.458 / 1.526* | *N/A* | ND |
| n-Heptane | *5.818 / 19.394* | *N/A* | ND |
| Benzene | *0.014 / 0.047* | *N/A* | ND |
| Toluene | *1.051 / 3.503* | *N/A* | ND |
| 1,3-Dimethylbenzene (m-Xylene) / 1,4-Dimethylbenzene (p-Xylene) | *3.191 / 10.637* | *N/A* | ND |
| 1,2-Dimethylbenzene (o-Xylene) | *3.296 / 10.987* | *N/A* | ND |
| Total Xylenes | | | ND |
| Methanol | *11.936 / 39.787* | *N/A* | ND |
| Ethanol | *6.084 / 20.28* | *N/A* | ND |
| 2-Propanol (Isopropyl Alcohol) | *12.039 / 40.129* | *N/A* | ND |
| Acetone | *8.119 / 27.063* | *N/A* | ND |
| Ethyl Acetate | *7.018 / 23.394* | *N/A* | ND |

## Heavy Metals Analysis

Heavy metal analysis utilizing inductively coupled plasma-mass spectrometry (ICP-MS).

**Method:** (GLB-TM-19) Metals Determination

HEAVY METALS TEST RESULTS - 04/29/2026 PASS

| COMPOUND | LOD/LOQ (µg/g) | ACTION LIMIT (µg/g) | MEASUREMENT UNCERTAINTY (µg/g) | RESULT (µg/g) | RESULT |
|---|---|---|---|---|---|
| Arsenic | *0.009 / 0.039* | *1.5* | *N/A* | ND | PASS |
| Cadmium | *0.013 / 0.044* | *0.5* | *N/A* | ND | PASS |
| Lead | *0.012 / 0.040* | *0.5* | *N/A* | ND | PASS |
| Mercury | *0.011 / 0.039* | *1.5* | *N/A* | ND | PASS |

## Microbiology Analysis

PCR AND PLATING

Analysis conducted by polymerase chain reaction (PCR) and fluorescence detection of microbiological contaminants.

**Method:** (GLB-TM-25) Bioburden Testing for STEC & Salmonella or (GLB-TM-37) Microbiological Detection of Pathogenic Aspergillus

**MICROBIOLOGY TEST RESULTS (PCR) -** 05/01/2026 **ND**

| COMPOUND | RESULT |
|---|---|
| *Salmonella* spp. | ND |
| Shiga toxin-producing *Escherichia coli* | ND |

Analysis conducted by 3M™ Petrifilm™ and plate counts of microbiological contaminants.

**Method:** (GLB-TM-24) Bioburden Testing for Total Yeast and Mold

**MICROBIOLOGY TEST RESULTS (PLATING) -** 05/01/2026 **ND**

| COMPOUND | RESULT (cfu/g) |
|---|---|
| Coliforms | ND |
| Total Aerobic Bacteria | ND |
| Total Yeast and Mold | ND |

**NOTES**

Reason for Amendment: Unit/Serving Mass Change Sample unit mass provided by client.

1. Exclusions: Not accredited by the CDPHE and not for official purposes
2. Exclusions: Not accredited by the CDPHE and not for official purposes
3. Exclusions: Not accredited by the CDPHE and not for official purposes
4. Exclusions: Not accredited by the CDPHE and not for official purposes