# CERTIFICATE OF ANALYSIS

| | |
|---|---|
| **PRODUCT NAME:** | Organic CBD Tincture - Mint |
| **PRODUCT STRENGTH:** | 1350mg |
| **TINCTURE BATCH:** | 250307A |
| **BEST BY DATE:** | 3/7/2027 |
| **HEMP EXTRACT LOT:** | 250218A, 250304A, O-1206-0129-FT-BSD |

*Physical Atttributes*

| Test | Method | Specification | Results |
|---|---|---|---|
| Color | Internal | Golden to Amber | PASS |
| Odor | Internal | Characteristic - Olive and Hemp, Minty | PASS |
| Appearance | Internal | Golden to Amber oil in brown glass bottle with dropper. | PASS |
| Primary Package Eval. | Internal | Container clean and free of filth. Container caps tight and shrink bands intact | PASS |
| Secondary Package Eval. | Internal | Labeling Compliance Checked, Cartons sturdy and clean. Sufficient cushion material exists. Box taped and secure. | PASS |

*Review of Third-Party Analysis*

| Panel | Method | Specification | Results* | Pass/Fail |
|---|---|---|---|---|
| **Potency** - Total CBD | HPLC-UV DAD | LOQ*: ≥ product strength mg / bottle | **1607mg** | PASS |
| **Potency** - D9-THC | HPLC-UV DAD | LOQ: <0.01% (broad spectrum) | **Below LOQ** | PASS |
| **Expanded Pesticide Panel** | HPLC-QQQ | LOQ: Complies with CDPHE 6 CCR 1010-21 Industrial Hemp Extract | **Below LOQ** | PASS |
| **Microbial** Escherichia coli (STEC) | PCR | Complies with CDPHE 6 CCR 1010-21 - LOQ 1 CFU/25 gram** | **Absent** | PASS |
| **Microbial** Salmonella | PCR | Complies with CDPHE 6 CCR 1010-21 - LOQ 1 CFU/25 gram | **Absent** | PASS |
| **Microbial** Yeast and Mold | Culture Plating | Complies with CDPHE 6 CCR 1010-21 - LOQ 10^2 CFU/gram | **Below LOQ** | PASS |
| **Microbial** Total Coliforms | Culture Plating | Complies with CDPHE 6 CCR 1010-21 - LOQ 10^2 CFU/gram | **Below LOQ** | PASS |
| **Microbial** Total Aerobic Count | Culture Plating | Complies with CDPHE 6 CCR 1010-21 - LOQ 10^3 CFU/gram | **Below LOQ** | PASS |
| **Heavy Metals** | ICP-MS | Arsenic (As): ≤1.5 ppm†<br>Cadmium (Cd): ≤0.5 ppm<br>Lead (Pb): ≤0.5 ppm<br>Mercury (Hg): ≤1.5 ppm | **Below LOQ** | PASS |
| **Mycotoxins** | ICP-MS | Total Aflatoxins <20 ppb††<br>Afltoxin B1 < 5 ppb<br>Ochratoxin < 5ppb | **Below LOQ** | PASS |
| **Residual Solvents** | GC-HS-MSD | LOQ: Complies with CDPHE 6 CCR 1010-21 Industrial Hemp Extract | **Below LOQ** | PASS |

*Level of Quantification
**Colony Forming Units per Gram
† Parts Per Million †† Part Per Billion

Values expressed in scientific notation.
Examples:
10^2=100
10^3=1,000

Quality Certified — Name — **3/20/2025** — Date



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## Cannabinoid Analysis

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

**Method:** QSP 1157 - Analysis of Cannabinoids by HPLC-DAD

### TOTAL THC: <1.0 mg/bottle

Total THC (Δ9-THC+0.877*THCa)

### TOTAL CBD: 1607 mg/bottle

Total CBD (CBD+0.877*CBDa)

### TOTAL CANNABINOIDS: 1719.210 mg/unit

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

### TOTAL CBG: 105.240 mg/unit

Total CBG (CBG+0.877*CBGa)

### TOTAL THCV: ND

Total THCV (THCV+0.877*THCVa)

### TOTAL CBC: 0.390 mg/unit

Total CBC (CBC+0.877*CBCa)

### TOTAL CBDV: 4.560 mg/unit

Total CBDV (CBDV+0.877*CBDVa)

### CANNABINOID TEST RESULTS - 02/21/2025

| COMPOUND | LOD/LOQ (mg/g) | MEASUREMENT UNCERTAINTY (mg/g) | RESULT (mg/g) | RESULT (%) |
|---|---|---|---|---|
| CBD | *0.004 / 0.011* | *±1.9992* | 53.598 | 5.3598 |
| CBG | *0.002 / 0.006* | *±0.1701* | 3.508 | 0.3508 |
| CBDV | *0.002 / 0.012* | *±0.0062* | 0.152 | 0.0152 |
| $\Delta^9$-THC | *0.002 / 0.014* | *±0.0020* | 0.036 | 0.0036 |
| CBC | *0.003 / 0.010* | *±0.0004* | 0.013 | 0.0013 |
| $\Delta^8$-THC | *0.01 / 0.02* | *N/A* | ND | ND |
| THCa | *0.001 / 0.005* | *N/A* | ND | ND |
| THCV | *0.002 / 0.012* | *N/A* | ND | ND |
| THCVa | *0.002 / 0.019* | *N/A* | ND | ND |
| CBDa | *0.001 / 0.026* | *N/A* | ND | ND |
| CBDVa | *0.001 / 0.018* | *N/A* | ND | ND |
| CBGa | *0.002 / 0.007* | *N/A* | ND | ND |
| CBL | *0.003 / 0.010* | *N/A* | ND | ND |
| CBN | *0.001 / 0.007* | *N/A* | ND | ND |
| CBCa | *0.001 / 0.015* | *N/A* | ND | ND |
| SUM OF CANNABINOIDS | | | 57.307 mg/g | 5.7307% |

Unit Mass: 30 grams per Unit / Serving Size: 1 grams per Serving

| | | | |
|---|---|---|---|
| $\Delta^9$-THC per Unit | *110 per-package limit* | <1mg/bottle | PASS |
| $\Delta^9$-THC per Serving | | <0.03 mg/serving | PASS |
| Total THC per Unit | | 1.080 mg/unit | |
| Total THC per Serving | | 0.036 mg/serving | |
| CBD per Unit | | 1607.940 mg/unit | |
| CBD per Serving | | 53.598 mg/serving | |
| Total CBD per Unit | | 1607.940 mg/unit | |
| Total CBD per Serving | | 53.598 mg/serving | |
| Sum of Cannabinoids per Unit | | 1719.210 mg/unit | |
| Sum of Cannabinoids per Serving | | 57.307 mg/serving | |
| Total Cannabinoids per Unit | | 1719.210 mg/unit | |
| Total Cannabinoids per Serving | | 57.307 mg/serving | |

### DENSITY TEST RESULT

**0.9364 g/mL**

Tested 02/21/2025

**Method:** QSP 7870 - Sample Preparation


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# CERTIFICATE OF ANALYSIS

## Organic Tincture- 1350mg - Mint

| | | |
|---|---|---|
| Batch ID or Lot Number: 250307A | Test, Test ID and Methods: Various | Matrix: Concentrate |
| Reported: **03Feb2025** | Started: 31Jan2025 | Received: 30Jan2025 |

## Residual Solvents - Colorado Compliance

Test ID: T000297931
Methods: TM04 (GC-MS): Residual Solvents

| | **Dynamic Range** (ppm) | **Result** (ppm) | **Notes** |
|---|---|---|---|
| Propane | 83 - 1670 | ND | |
| Butanes (Isobutane, n-Butane) | 165 - 3308 | ND | |
| Methanol | 52 - 1035 | ND | |
| Pentane | 86 - 1710 | ND | |
| Ethanol | 90 - 1806 | ND | |
| Acetone | 91 - 1817 | ND | |
| Isopropyl Alcohol | 95 - 1900 | ND | |
| Hexane | 6 - 110 | ND | |
| Ethyl Acetate | 94 - 1872 | ND | |
| Benzene | 0.2 - 3.6 | ND | |
| Heptanes | 89 - 1782 | ND | |
| Toluene | 17 - 331 | ND | |
| Xylenes (m,p,o-Xylenes) | 122 - 2430 | ND | |

**Final Approval**

Judith Marquez
06Feb2025
07:50:00 AM MST
PREPARED BY / DATE

Sam Smith
06Feb2025
07:56:00 AM MST
APPROVED BY / DATE

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# CERTIFICATE OF ANALYSIS

## Organic Tincture- 1350mg - Mint

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|---|---|---|
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## Pesticides

Test ID: T000297928
Methods: TM17

| (LC-QQ LC MS/MS) | **Dynamic Range** (ppb) | **Result** (ppb) |
|---|---|---|
| Abamectin | 381 - 2759 | ND |
| Acephate | 34 - 2749 | ND |
| Acetamiprid | 42 - 2758 | ND |
| Azoxystrobin | 42 - 2753 | ND |
| Bifenazate | 39 - 2790 | ND |
| Boscalid | 45 - 2734 | ND |
| Carbaryl | 39 - 2680 | ND |
| Carbofuran | 41 - 2706 | ND |
| Chlorantraniliprole | 40 - 2746 | ND |
| Chlorpyrifos | 44 - 2701 | ND |
| Clofentezine | 280 - 2730 | ND |
| Diazinon | 287 - 2743 | ND |
| Dichlorvos | 283 - 2801 | ND |
| Dimethoate | 42 - 2774 | ND |
| E-Fenpyroximate | 267 - 2835 | ND |
| Etofenprox | 43 - 2749 | ND |
| Etoxazole | 272 - 2718 | ND |
| Fenoxycarb | 41 - 2722 | ND |
| Fipronil | 28 - 2719 | ND |
| Flonicamid | 44 - 2818 | ND |
| Fludioxonil | 279 - 2760 | ND |
| Hexythiazox | 40 - 2862 | ND |
| Imazalil | 282 - 2760 | ND |
| Imidacloprid | 39 - 2826 | ND |
| Kresoxim-methyl | 40 - 2752 | ND |

| | **Dynamic Range** (ppb) | **Result** (ppb) |
|---|---|---|
| Malathion | 286 - 2743 | ND |
| Metalaxyl | 38 - 2758 | ND |
| Methiocarb | 38 - 2785 | ND |
| Methomyl | 40 - 2813 | ND |
| MGK 264 1 | 180 - 1624 | ND |
| MGK 264 2 | 121 - 1060 | ND |
| Myclobutanil | 38 - 2746 | ND |
| Naled | 50 - 2647 | ND |
| Oxamyl | 39 - 2825 | ND |
| Paclobutrazol | 44 - 2652 | ND |
| Permethrin | 274 - 2782 | ND |
| Phosmet | 39 - 2602 | ND |
| Prophos | 286 - 2745 | ND |
| Propoxur | 41 - 2694 | ND |
| Pyridaben | 275 - 2837 | ND |
| Spinosad A | 32 - 2062 | ND |
| Spinosad D | 64 - 682 | ND |
| Spiromesifen | 255 - 2820 | ND |
| Spirotetramat | 284 - 2765 | ND |
| Spiroxamine 1 | 14 - 1080 | ND |
| Spiroxamine 2 | 23 - 1623 | ND |
| Tebuconazole | 308 - 2714 | ND |
| Thiacloprid | 42 - 2838 | ND |
| Thiamethoxam | 41 - 2821 | ND |
| Trifloxystrobin | 45 - 2726 | ND |

**Final Approval**

Samantha Smith
Sam Smith
07Feb2025
10:36:00 AM MST
PREPARED BY / DATE

K Winternheimer
Karen Winternheimer
07Feb2025
10:38:00 AM MST
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# CERTIFICATE OF ANALYSIS

## Organic Tincture- 1350mg - Mint

| Batch ID or Lot Number: 250307A | Test, Test ID and Methods: Various | Matrix: Concentrate | Page 3 of 6 |
|---|---|---|---|
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## Mycotoxins - Colorado Compliance

Test ID: T000297932
Methods: TM18 (UHPLC-QQQ LCMS/MS): Mycotoxins

| | **Dynamic Range** (ppb) | **Result** (ppb) | **Notes** |
|---|---|---|---|
| Ochratoxin A | 3.63 - 119.61 | ND | N/A |
| Aflatoxin B1 | 1.02 - 30.28 | ND | |
| Aflatoxin B2 | 1.04 - 29.76 | ND | |
| Aflatoxin G1 | 1.04 - 30.28 | ND | |
| Aflatoxin G2 | 1.07 - 30.68 | ND | |
| Total Aflatoxins (B1, B2, G1, and G2) | | ND | |

**Final Approval**

Sam Smith
06Feb2025
09:14:00 AM MST
PREPARED BY / DATE

Karen Winternheimer
06Feb2025
09:16:00 AM MST
APPROVED BY / DATE

## Heavy Metals - Colorado Compliance

Test ID: T000297930
Methods: TM19 (ICP-MS): Heavy Metals

| | **Dynamic Range** (ppm) | **Result** (ppm) | **Notes** |
|---|---|---|---|
| Arsenic | 0.04 - 4.25 | ND | |
| Cadmium | 0.04 - 4.27 | ND | |
| Mercury | 0.05 - 5.31 | ND | |
| Lead | 0.04 - 4.44 | ND | |

**Final Approval**

Judith Marquez
04Feb2025
01:35:00 PM MST
PREPARED BY / DATE

Sam Smith
04Feb2025
01:38:00 PM MST
APPROVED BY / DATE

## Microbiology Analysis

PCR AND PLATING

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

**Method:** QSP 1221 - Analysis of Microbiological Contaminants

**MICROBIOLOGY TEST RESULTS (PCR) -** 03/18/2025 PASS

| COMPOUND | ACTION LIMIT | RESULT | RESULT |
|---|---|---|---|
| *Salmonella* spp. | *Not Detected in 1g* | ND | PASS |
| Shiga toxin-producing *Escherichia coli* | *Not Detected in 1g* | ND | PASS |

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

**Method:** QSP 6794 - Plating with 3M™ Petrifilm™

**MICROBIOLOGY TEST RESULTS (PLATING) -** 03/18/2025 **ND**

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

**NOTES**
Sample unit mass provided by client.


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