

**PRODUCT NAME:** Organic CBD Tincture - Mint

PRODUCT STRENGTH: 900mg
TINCTURE BATCH: 250129D

BEST BY DATE: 1/29/2027
HEMP EXTRACT LOT: 240807D

#### Physical Atttributes

| Test                    | Method       | Specification   | Results |
|-------------------------|--------------|---|---------|
| Color                   | Joy Internal | Golden to Amber   | PASS    |
| Odor                    | Joy Internal | Characteristic - Olive and Hemp   | PASS    |
| Appearance              | Joy Internal | Golden to Amber oil in brown glass bottle with dropper.   | PASS    |
| Primary Package Eval.   | Joy Internal | Container clean and free of filth. Container caps tight and shrink bands intact                                     | PASS    |
| Secondary Package Eval. | Joy Internal | Labeling Compliance Checked, Cartons sturdy and clean.<br>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     | *NLT (product strength)<br>mg / bottle  | 1018mg    | PASS      |
| Potency - D9-THC                     | HPLC-UV DAD     | LOQ: 10 ppm (.001-0.3%)   | ND        | PASS      |
| Expanded Pesticide Panel             | HPLC-QQQ        | LOQ: Complies with CDPHE 6 CCR<br>1010-21 Industrial Hemp Extract                                 | ND        | PASS      |
| Microbial<br>Escherichia coli (STEC) | PCR             | Complies with CDPHE 6 CCR<br>1010-21 - LOQ 1 CFU/25 gram  | Absent    | PASS      |
| Microbial<br>Salmonella              | PCR             | Complies with CDPHE 6 CCR<br>1010-21 - LOQ 1 CFU/25 gram  | Absent    | PASS      |
| Microbial Yeast and Mold             | Culture Plating | Complies with CDPHE 6 CCR<br>1010-21 - LOQ 10^2 CFU/gram  | Below LOQ | PASS      |
| Microbial<br>Total Coliforms*        | Culture Plating | Complies with CDPHE 6 CCR<br>1010-21 - LOQ 10^2 CFU/gram  | Below LOQ | PASS      |
| Microbial Total Aerobic Count*       | Culture Plating | Complies with CDPHE 6 CCR<br>1010-21 - LOQ 10^3 CFU/gram  | Below LOQ | PASS      |
| Heavy Metals Panel                   | 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 | ND        | PASS      |
| Mycotoxins                           | ICP-MS          | Total Aflatoxins <20 ppb†<br>Afltoxin B1 < 5 ppb<br>Ochratoxin < 5ppb                             | ND        | PASS      |
| Residual Solvents                    | GC-HS-MSD       | LOQ: Complies with CDPHE 6 CCR<br>1010-21 Industrial Hemp Extract                                 | ND        | PASS      |

\*\*Level of Quantitation, † Parts Per Million † Part Per Billion CFU/g=Colony Forming Units per Gram \*Nothing Less Than 10^2=100 CFU 10^3=1,000 CFU

Quality Certified \_\_\_\_\_

2/11/2027

Name

Date

900mg Broad Spectrum Tincture- Mint Sample Matrix: CBD/HEMP **Derivative Products** (Ingestion)



721 Cortaro Dr. Sun City Center, FL 33573 www.acslab.com

**DEA No.** RA0571996 FL License # CMTL-0003 CLIA No. 10D1094068

#### **Certificate of Analysis**

**Compliance Test** 

Batch # 250129D Batch Date: 2024-08-16 Extracted From: N/A

Test Reg State: Colorado

Production Date: 2024-08-16

Order # PRO240816-020001 Order Date: 2024-08-16 Sample # AAFW153

Sampling Date: 2024-08-21 Lab Batch Date: 2024-08-21 Completion Date: 2024-08-27

Initial Gross Weight: 117.600 g

Potency **Tested** 







Microbiology Petrifilm **Passed** 

Product Image

| Potency 10       |                   |            |            |  |                              | Tested     |
|------------------|-------------------|------------|------------|--|------------------------------|------------|
| Specimen Weigh   | nt: 100.880 mg    | 9          |            |  | SOP13.                       | 001 (LCUV) |
| Analyte          | Dilution<br>(1:n) | LOD<br>(%) | LOQ<br>(%) | Result<br>(mg/g)   | (%)                          |            |
| CBD              | 10.000            | 5.40E-5    | 0.0015     | 34.4900  | 3.4490                       |            |
| CBC              | 10.000            | 1.80E-5    | 0.0015     | 1.2000   | 0.1200                       |            |
| CBG              | 10.000            | 2.48E-4    | 0.0015     | 0.7700   | 0.0770                       |            |
| CBN              | 10.000            | 1.40E-5    | 0.0015     | 0.4300   | 0.0430                       |            |
| CBDA             | 10.000            | 1.00E-5    | 0.0015     | <l0q< td=""><td><loq< td=""><td></td></loq<></td></l0q<> | <loq< td=""><td></td></loq<> |            |
| CBDV             | 10.000            | 6.50E-5    | 0.0015     | <l0q< td=""><td><l0q< td=""><td></td></l0q<></td></l0q<> | <l0q< td=""><td></td></l0q<> |            |
| CBGA             | 10.000            | 8.00E-5    | 0.0015     | <l0q< td=""><td><loq< td=""><td></td></loq<></td></l0q<> | <loq< td=""><td></td></loq<> |            |
| Delta-9 THC      | 10.000            | 1.30E-5    | 0.0015     | <l0q< td=""><td><l0q< td=""><td></td></l0q<></td></l0q<> | <l0q< td=""><td></td></l0q<> |            |
| THCA-A           | 10.000            | 3.20E-5    | 0.0015     | <l0q< td=""><td><loq< td=""><td></td></loq<></td></l0q<> | <loq< td=""><td></td></loq<> |            |
| THCV             | 10.000            | 7.00E-6    | 0.0015     | <l0q< td=""><td><l0q< td=""><td></td></l0q<></td></l0q<> | <l0q< td=""><td></td></l0q<> |            |
| Total Active CBD | 10.000            |            |            | 34.490   | 3.449                        |            |
| Total Active THC | 10.000            |            |            | <l0q< td=""><td><l0q< td=""><td></td></l0q<></td></l0q<> | <l0q< td=""><td></td></l0q<> |            |

| ❖  | Potency | Summary |
|----|---------|---------|
| 41 | 110     | Tabala  |

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|-------------------------------|----------------------------|--|--|--|
| Total Active THC None Detecte | Total Active CBD<br>3.449% |  |  |  |
| Total CBG<br>0.077%           | Total CBN<br>0.043%        |  |  |  |
| Total Cannabinoids            |                            |  |  |  |

3.689%

Lab Director/Principal Scientist Aixia Sun D.H.Sc., M.Sc., B.Sc., MT (AAB)







Definitions and Abbreviations used in this report: Total Active CBD = CBD + (CBD-A \* 0.877), \*Total CBDV = CBDV + (CBDVA \* 0.867), Total Active THC = THCA-A \* 0.877 + Delta 9 THC, Total THCV = THCV + (THCVA \* 0.87), CBG Total = (CBGA \* 0.878) + CBG, CBN Total = (CBNA \* 0.876) + CBN, Total CBC = CBC + (CBCA \* 0.877), Total THC-O-Acetate = Delta 8 THC-O-Acetate + Delta 9 THC-O-Acetate, Total THCP = Delta8-THCP + Delta9-THCP, Total Cannabinoids = Total percentage of cannabinoids within the sample. (mg/ml) = Milligrams per Milliliter, LOQ = Limit of Quantitation, LOD = Limit of Detection, Dilution = Dilution Factor, (ppd) = Parts per Billion, (ppm) = Parts per Million, (ppm) = (µg/g), (aw) = Water Activity, (mg/kg) = Milligram per Kilogram. ACS uses simple acceptance criteria. Passed – Analyte/microbe is not detected or is at the level below the action limit per CO rule 6 CCR 1010-21. Failed – Analyte/microbe is at the level that equal or above the action limit per CO rule 6 CCR 1010-21. Failed – Analyte/microbe is at the level that equal or above the action limit per CO rule 6 CCR 1010-21. Failed – Analyte/microbe is at the level that equal or above the action limit per CO rule 6 CCR 1010-21. Failed – Analyte/microbe is at the level that equal or above the action limit per CO rule 6 CCR 1010-21. Failed – Analyte/microbe is at the level that equal or above the action limit per CO rule 6 CCR 1010-21. Failed – Analyte/microbe is at the level that equal or above the action limit per CO rule 6 CCR 1010-21. Failed – Analyte/microbe is at the level that equal or above the action limit per CO rule 6 CCR 1010-21. Failed – Analyte/microbe is at the level that equal or above the action limit per CO rule 6 CCR 1010-21. Failed – Analyte/microbe is at the level that equal or above the action limit per CO rule 6 CCR 1010-21. Failed – Analyte/microbe is at the level that equal or above the action limit per CO rule 6 CCR 1010-21. Failed – Analyte/microbe is at the level that equal or above the action limit per CO rule 6 CCR 1010-2 This report shall not be reproduced, without written approval, from ACS Laboratory. The results of this report relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. ACS Laboratory is accredited to the ISO/IEC 17025:2017 Standard.



## 900mg Broad Spectrum Tincture- Mint

| Batch ID or Lot Number: | Test, Test ID and Methods: | Matrix:     | Page 1 of 5 |
|-------------------------|----------------------------|-------------|-------------|
| 250129D                 | Various                    | Concentrate |             |
| Reported:               | Started:                   | Received:   |             |
| <b>24Jun2024</b>        | 21Jun2024                  | 20Jun2024   |             |

## **Residual Solvents -Colorado Compliance**

Test ID: T000284664

Methods: TM04 (GC-MS): Residual

| Solvents                      | Dynamic Range (ppm) | Result (ppm) | Notes |
|-------------------------------|---------------------|--------------|-------|
| Propane                       | 78 - 1566           | ND           |       |
| Butanes (Isobutane, n-Butane) | 159 - 3188          | ND           |       |
| Methanol                      | 62 - 1234           | ND           |       |
| Pentane                       | 84 - 1683           | ND           |       |
| Ethanol                       | 93 - 1870           | ND           |       |
| Acetone                       | 98 - 1954           | ND           |       |
| Isopropyl Alcohol             | 104 - 2082          | ND           |       |
| Hexane                        | 6 - 120             | ND           |       |
| Ethyl Acetate                 | 100 - 2008          | ND           |       |
| Benzene                       | 0.2 - 4.1           | ND           |       |
| Heptanes                      | 93 - 1863           | ND           |       |
| Toluene                       | 18 - 364            | ND           |       |
| Xylenes (m,p,o-Xylenes)       | 131 - 2618          | ND           |       |

**Final Approval** 

Karen Winternheimer 24Jun2024 08:41:00 AM MDT

PREPARED BY / DATE

Sawantha Smot 24Jun2024 09:00:00 AM MDT

APPROVED BY / DATE

Sam Smith



## 900mg Broad Spectrum Tincture- Mint

| Batch ID or Lot Number: | Test, Test ID and Methods: | Matrix:     | Page 4 of 5 |
|-------------------------|----------------------------|-------------|-------------|
| 250129D                 | Various                    | Concentrate |             |
| Reported:               | Started:                   | Received:   |             |
| 24Jun2024               | 21Jun2024                  | 20Jun2024   |             |

## **Pesticides**

Test ID: T000284661 Methods: TM17

| (LC-QQ LC MS/MS)    | Dynamic Range (ppb) | Result (ppb) |
|---------------------|---------------------|--------------|
| Abamectin           | 492 - 2782          | ND           |
| Acephate            | 39 - 2737           | ND           |
| Acetamiprid         | 39 - 2709           | ND           |
| Azoxystrobin        | 45 - 2727           | ND           |
| Bifenazate          | 45 - 2708           | ND           |
| Boscalid            | 39 - 2717           | ND           |
| Carbaryl            | 38 - 2731           | ND           |
| Carbofuran          | 42 - 2702           | ND           |
| Chlorantraniliprole | 38 - 2717           | ND           |
| Chlorpyrifos        | 25 - 2744           | ND           |
| Clofentezine        | 278 - 2710          | ND           |
| Diazinon            | 278 - 2746          | ND           |
| Dichlorvos          | 264 - 2725          | ND           |
| Dimethoate          | 41 - 2726           | ND           |
| E-Fenpyroximate     | 260 - 2843          | ND           |
| Etofenprox          | 36 - 2769           | ND           |
| Etoxazole           | 254 - 2755          | ND           |
| Fenoxycarb          | 42 - 2737           | ND           |
| Fipronil            | 37 - 2764           | ND           |
| Flonicamid          | 45 - 2733           | ND           |
| Fludioxonil         | 268 - 2689          | ND           |
| Hexythiazox         | 34 - 2828           | ND           |
| Imazalil            | 284 - 2776          | ND           |
| Imidacloprid        | 43 - 2744           | ND           |
| Kresoxim-methyl     | 46 - 2757           | ND           |

|                 | D D (                      | D 16 (m m ln) |
|-----------------|----------------------------|---------------|
|                 | <b>Dynamic Range</b> (ppb) | Result (ppb)  |
| Malathion       | 289 - 2740                 | ND            |
| Metalaxyl       | 43 - 2742                  | ND            |
| Methiocarb      | 41 - 2732                  | ND            |
| Methomyl        | 42 - 2761                  | ND            |
| MGK 264 1       | 65 - 1532                  | ND            |
| MGK 264 2       | 97 - 1089                  | ND            |
| Myclobutanil    | 40 - 2704                  | ND            |
| Naled           | 43 - 2682                  | ND            |
| Oxamyl          | 42 - 2764                  | ND            |
| Paclobutrazol   | 41 - 2702                  | ND            |
| Permethrin      | 263 - 2746                 | ND            |
| Phosmet         | 43 - 2608                  | ND            |
| Prophos         | 277 - 2740                 | ND            |
| Propoxur        | 42 - 2701                  | ND            |
| Pyridaben       | 265 - 2838                 | ND            |
| Spinosad A      | 30 - 2070                  | ND            |
| Spinosad D      | 58 - 687                   | ND            |
| Spiromesifen    | 246 - 2837                 | ND            |
| Spirotetramat   | 294 - 2758                 | ND            |
| Spiroxamine 1   | 15 - 1020                  | ND            |
| Spiroxamine 2   | 24 - 1610                  | ND            |
| Tebuconazole    | 303 - 2724                 | ND            |
| Thiacloprid     | 43 - 2760                  | ND            |
| Thiamethoxam    | 37 - 2739                  | ND            |
| Trifloxystrobin | 42 - 2725                  | ND            |

#### **Final Approval**

Sawantha Smill 27Jun2024 09:09:00 AM MDT

Sam Smith

PREPARED BY / DATE

Wintersheumer 09:11:00 AM MDT APPROVED BY / DATE

Karen Winternheimer 27Jun2024



## 900mg Broad Spectrum Tincture- Mint

| Batch ID or Lot Number: | Test, Test ID and Methods: | Matrix:     | Page 5 of 5 |
|-------------------------|----------------------------|-------------|-------------|
| 250129D                 | Various                    | Concentrate |             |
| Reported:               | Started:                   | Received:   |             |
| 24Jun2024               | 21Jun2024                  | 20Jun2024   |             |

## **Mycotoxins - Colorado Compliance**

Test ID: T000284665

Methods: TM18 (UHPLC-QQQ

| LCMS/MS): Mycotoxins             | <b>Dynamic Range</b> (ppb) | Result (ppb) | Notes |
|----------------------------------|----------------------------|--------------|-------|
| Ochratoxin A                     | 1.09 - 127.38              | ND           | N/A   |
| Aflatoxin B1                     | 0.99 - 32.66               | ND           |       |
| Aflatoxin B2                     | 0.99 - 32.66               | ND           |       |
| Aflatoxin G1                     | 1.05 - 32.28               | ND           |       |
| Aflatoxin G2                     | 1.09 - 32.63               | ND           |       |
| Total Aflatoxins (B1, B2, G1, ar | nd G2)                     | ND           |       |

#### **Final Approval**

Somentha Small

Sam Smith 28Jun2024 11:47:00 AM MDT

PREPARED BY / DATE

Wintersheimer 11:49:00 AM MDT

APPROVED BY / DATE

Karen Winternheimer 28|un2024



https://results.botanacor.com/api/v1/coas/uuid/73dfe90d-bdbe-4bcf-abaa-8a65766a6b41

#### **Definitions**

Definitions

LOD = Limit of Detection, ULOQ = Upper Limit of Quantitation, LLOQ = Lower Limit of Quantitation, PPB = Parts per Billion, % = % (w/w) = Percent (weight of analyte / weight of product). ND = None Detected (defined by dynamic range of the method). Total Potential Delta 9-THC or CBD is calculated to take into account the loss of a carboxyl group during decarboxylation step, using the following formulas: Total Potential Delta 9-THC = Delta 9-THC + (Delta 9-THC \*(0.877)) and Total CBD = CBD + (CBDa \*(0.877)). Fail equates to a concentration level of Delta 9-THC, on a dry weight basis, higher than 0.3 percent + or - the measurement uncertainty. Total Potential THC is calculated using the following formulas to take into account the loss of a carboxyl group during decarboxylation step. Total THC = THC + (THCa \*(0.877)). ALOQ = Above Limit Of Quantitation (defined by dynamic range of the method), CFU/g = Colony Forming Units per Gram. Values recorded in scientific notation, a common microbial practice of expressing numbers that are two larger to be conveniently written in designal form. Examples: 1002 = 100 CFU 1003 = 1000 CFU numbers that are too large to be conveniently written in decimal form. Examples: 10^2 = 100 CFU, 10^3 = 1,000 CFU, 10^4 = 10,000 CFU, 10^5 = 100,000 CFU.

Testing results are based solely upon the sample submitted to SC Laboratories, Inc., in the condition it was received. SC Laboratories, Inc., warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of SC Laboratories, Inc. ISO/IEC

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#### 900mg Broad Spectrum Tincture- Mint

| Batch ID or Lot Number: 250129D | Test:<br><b>Metals</b>      | Reported:<br><b>6/26/24</b> |               |
|---------------------------------|-----------------------------|-----------------------------|---------------|
| Matrix:                         | Test ID:                    | Started:                    | USDA License: |
| Concentrate Co                  | T000284663                  | 6/25/24                     | N/A           |
| Status:                         | Method:                     | Received:                   | Sampler ID:   |
| Active                          | TM19 (ICP-MS): Heavy Metals | 06/20/2024 @ 10:04 AM       | N/A           |

#### **HEAVY METALS DETERMINATION**

| Compound | Dynamic Range (ppm) | Result (ppm) | Notes |
|----------|---------------------|--------------|-------|
| Arsenic  | 0.047 - 4.66        | ND           |       |
| Cadmium  | 0.046 - 4.56        | ND           |       |
| Mercury  | 0.048 - 4.82        | ND           |       |
| Lead     | 0.047 - 4.70        | ND           |       |
| Leau     | 0.047 - 4.70        | ND           |       |

L Winternheimer

Karen Winternheimer 26-Jun-24 1:48 PM

Samantha Small

Sam Smith 26-Jun-24 2:00 PM

PREPARED BY / DATE

APPROVED BY / DATE

#### **Definitions**

ND = None Detected (Defined by Dynamic Range of the method)

Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC, in the condition it was received. Botanacor



# Hemp Quality Assurance Testing CERTIFICATE OF ANALYSIS

**DATE ISSUED 02/08/2025** 

#### SAMPLE DETAILS

SAMPLE NAME: Organic 900mg CBD

Tincture- Mint Infused, Liquid Edible

#### SAMPLE DETAIL

**Batch Number:** 250129D **Sample ID:** 250204L002

**Date Collected:** 02/04/2025 **Date Received:** 02/04/2025

Batch Size:

Sample Size: 1.0 units

Unit Mass: 30 milliliters per Unit Serving Size: 1 milliliters per Serving







Scan QR code to verify authenticity of results.

#### **SAFETY ANALYSIS - SUMMARY**

Microbiology (PCR): PASS

Microbiology (Plating): ND

For quality assurance purposes. Not a Regulatory Hemp Lab Test Report. 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: California Code of Regulations Title 4 Division 19. Department of Cannabis Control Business and Professions Code. Reference: Sections 26100, 26104 and 26110, Business and Professions Code.

**Decision Rule:** Statements of conformity (e.g. Pass/Fail) to specifications are made in this report without taking measurement uncertainty into account. Where statements of conformity are made in this report, the following decision rules are applied: PASS - Results within limits/specifications, FAIL - Results exceed limits/specifications.

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

LOC verified by/Samantha LeBeau Job Title: Laboratory Assistant Date: 02/08/2025

Approved by: Josh Wurzer
Job Title: Chief Compliance Officer
Date: 02/08/2025





DATE ISSUED 02/08/2025



## **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

Analysis conducted by  $3M^{\rm TM}$  Petrifilm  $^{\rm TM}$  and plate counts of microbiological contaminants.

**Method:** QSP 6794 - Plating with  $3M^{TM}$  Petrifilm<sup>TM</sup>

#### MICROBIOLOGY TEST RESULTS (PCR) - 02/08/2025 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   |

#### MICROBIOLOGY TEST RESULTS (PLATING) - 02/08/2025 ND

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

#### **NOTES**

Sample unit mass provided by client.