

CERTIFICATE OF ANALYSIS

PRODUCT NAME: Organic CBD Tincture - Mint
PRODUCT STRENGTH: 900mg
TINCTURE BATCH: 231107L
BEST BY DATE: 11/7/2025
HEMP EXTRACT LOT: 231030A

Physical Attributes

| 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. 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) mg / bottle | 1012mg | 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 1010-21 Industrial Hemp Extract | ND | 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 Panel | ICP-MS | Arsenic (As): ≤1.5 ppm Cadmium (Cd): ≤0.5 ppm Lead (Pb): ≤0.5 ppm Mercury (Hg): ≤1.5 ppm | ND | PASS |
| Mycotoxins | ICP-MS | Total Aflatoxins <20 ppb† Afltoxin B1 < 5 ppb Ochratoxin < 5ppb | ND | PASS |
| Residual Solvents | GC-HS-MSD | LOQ: Complies with CDPHE 6 CCR 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
 10²=100 CFU
 10³=1,000 CFU



Quality Certified _____
 Name Date

12/21/23

900mg CBD Tincture- Mint

| | | | |
|------------------------------------|---|-------------------------------|----------------------|
| Batch ID or Lot Number: 231107L | Test: Potency | Reported: 07Nov2023 | USDA License: N/A |
| Matrix: Concentrate | Test ID: T000260693 | Started: 06Nov2023 | Sampler ID: N/A |
| | Method(s): TM14 (HPLC-DAD): Potency – Standard Cannabinoid Analysis | Received: 01Nov2023 | Status: Active |

| Cannabinoids | LOD (%) | LOQ (%) | Result (%) | Result (mg/g) | Notes |
|--|----------------|----------------|-------------------|----------------------|--------------|
| Cannabichromene (CBC) | 0.006 | 0.020 | <LOQ | <LOQ | |
| Cannabichromenic Acid (CBCA) | 0.006 | 0.018 | ND | ND | |
| Cannabidiol (CBD) | 0.020 | 0.053 | 3.667 | 36.67 | |
| Cannabidiolic Acid (CBDA) | 0.021 | 0.054 | ND | ND | |
| Cannabidivarin (CBDV) | 0.005 | 0.012 | 0.017 | 0.17 | |
| Cannabidivarinic Acid (CBDVA) | 0.009 | 0.023 | ND | ND | |
| Cannabigerol (CBG) | 0.004 | 0.011 | 0.255 | 2.55 | |
| Cannabigerolic Acid (CBGA) | 0.015 | 0.047 | ND | ND | |
| Cannabinol (CBN) | 0.005 | 0.015 | ND | ND | |
| Cannabinolic Acid (CBNA) | 0.010 | 0.032 | ND | ND | |
| Delta 8-Tetrahydrocannabinol (Delta 8-THC) | 0.018 | 0.056 | ND | ND | |
| Delta 9-Tetrahydrocannabinol (Delta 9-THC) | 0.016 | 0.051 | ND | ND | |
| Delta 9-Tetrahydrocannabinolic Acid (THCA-A) | 0.014 | 0.045 | ND | ND | |
| Tetrahydrocannabivarin (THCV) | 0.003 | 0.010 | ND | ND | |
| Tetrahydrocannabivarinic Acid (THCVA) | 0.013 | 0.040 | ND | ND | |
| Total Cannabinoids | | | 3.939 | 39.39 | |
| Total Potential THC | | | ND | ND | |
| Total Potential CBD | | | 3.667 | 36.67 | |

Final Approval


PREPARED BY / DATE
Sam Smith
07Nov2023
10:35:00 AM MST


APPROVED BY / DATE
Karen Winternheimer
07Nov2023
10:37:00 AM MST



<https://results.botanacor.com/api/v1/coas/uuid/d25d9947-e828-40fd-a048-0b9dad93ea29>

Definitions
% = % (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-THCa *(0.877)) and Total CBD = CBD + (CBDA *(0.877)).

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 17025:2017 A2LA Cert #: 4329.02 Chemical; 4329.03 Biological.



Cert #4329.02

CDPHE Certified
d25d9947e82840fda0480b9dad93ea29.1

900mg CBD Tincture- Mint

| | | | |
|------------------------------------|-------------------------------------|-------------------------------|---------------------|
| Batch ID or Lot Number: 231107L | Test: Pesticides | Reported: 10Feb2023 | USDA License: NA |
| Matrix: Concentrate | Test ID: T000234712 | Started: 08Feb2023 | Sampler ID: NA |
| | Method(s): TM17 (LC-QQ LC MS/MS) | Received: 07Feb2023 | Status: NA |

| Pesticides | Dynamic Range (ppb) | Result (ppb) | Pesticides | Dynamic Range (ppb) | Result (ppb) |
|---------------------|---------------------|--------------|-----------------|---------------------|--------------|
| Abamectin | 358 - 2647 | ND | Malathion | 280 - 2717 | ND |
| Acephate | 42 - 2759 | ND | Metalaxyl | 46 - 2718 | ND |
| Acetamiprid | 43 - 2753 | ND | Methiocarb | 41 - 2688 | ND |
| Azoxystrobin | 44 - 2729 | ND | Methomyl | 43 - 2762 | ND |
| Bifenazate | 43 - 2722 | ND | MGK 264 1 | 154 - 1645 | ND |
| Boscalid | 45 - 2744 | ND | MGK 264 2 | 116 - 1140 | ND |
| Carbaryl | 43 - 2719 | ND | Myclobutanil | 45 - 2763 | ND |
| Carbofuran | 44 - 2734 | ND | Naled | 43 - 2762 | ND |
| Chlorantraniliprole | 43 - 2726 | ND | Oxamyl | 41 - 2766 | ND |
| Chlorpyrifos | 53 - 2824 | ND | Pacllobutrazol | 40 - 2726 | ND |
| Clofentezine | 275 - 2769 | ND | Permethrin | 313 - 2795 | ND |
| Diazinon | 292 - 2733 | ND | Phosmet | 44 - 2709 | ND |
| Dichlorvos | 275 - 2786 | ND | Prophos | 312 - 2672 | ND |
| Dimethoate | 41 - 2737 | ND | Propoxur | 41 - 2724 | ND |
| E-Fenpyroximate | 293 - 2797 | ND | Pyridaben | 313 - 2786 | ND |
| Etofenprox | 41 - 2790 | ND | Spinosad A | 35 - 2253 | ND |
| Etoazole | 309 - 2762 | ND | Spinosad D | 52 - 508 | ND |
| Fenoxycarb | 47 - 2690 | ND | Spiromesifen | 292 - 2770 | ND |
| Fipronil | 56 - 2762 | ND | Spirotetramat | 274 - 2731 | ND |
| Flonicamid | 43 - 2825 | ND | Spiroxamine 1 | 16 - 1206 | ND |
| Fludioxonil | 318 - 2756 | ND | Spiroxamine 2 | 21 - 1539 | ND |
| Hexythiazox | 45 - 2799 | ND | Tebuconazole | 277 - 2724 | ND |
| Imazalil | 288 - 2739 | ND | Thiacloprid | 44 - 2774 | ND |
| Imidacloprid | 41 - 2755 | ND | Thiamethoxam | 42 - 2785 | ND |
| Kresoxim-methyl | 23 - 2807 | ND | Trifloxystrobin | 44 - 2758 | ND |

Final Approval



Karen Winternheimer
10Feb2023
06:26:00 AM MST

PREPARED BY / DATE



Sam Smith
10Feb2023
06:29:00 AM MST

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/b68758e5-00df-49b2-b6d6-00d8a2f89f11>

Definitions

ND = None Detected (defined by dynamic range of the method)
Dynamic Range = Limit of Quantitation (LOQ) through Upper Limit of Method Range
ppb = Parts Per Billion

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 17025:2017 Accredited by A2LA.



Cert #4329.02


b68758e500df49b2b6d600d8a2f89f11.1


900mg CBD Tincture- Mint

| | | | |
|------------------------------------|---|-------------------------------|---------------------|
| Batch ID or Lot Number: 231107L | Test: Heavy Metals | Reported: 15Feb2023 | USDA License: NA |
| Matrix: Concentrate Co | Test ID: T000234714 | Started: 10Feb2023 | Sampler ID: NA |
| | Method(s): TM19 (ICP-MS): Heavy Metals | Received: 07Feb2023 | Status: NA |

| Heavy Metals | Dynamic Range (ppm) | Result (ppm) | Notes |
|--------------|---------------------|--------------|-------|
| Arsenic | 0.06 - 5.87 | ND | |
| Cadmium | 0.06 - 5.98 | ND | |
| Mercury | 0.06 - 5.83 | ND | |
| Lead | 0.06 - 6.02 | ND | |

Final Approval


 Sam Smith
 15Feb2023
 09:39:00 AM MST
 PREPARED BY / DATE


 Karen Winternheimer
 15Feb2023
 09:42:00 AM MST
 APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/37f32070-179e-4dc7-a6ae-2eed07b1f475>

Definitions
 ND = None Detected (defined by dynamic range of the method)
 Dynamic Range = Limit of Quantitation (LOQ) through Upper Limit of Method Range

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Cert #4329.02

CDPHE Certified
 37f32070179e4dc7a6ae2eed07b1f475.1

900mg CBD Tincture- Mint

| | | | |
|------------------------------------|---|-------------------------------|----------------------|
| Batch ID or Lot Number: 231107L | Test: Residual Solvents | Reported: 09Feb2023 | USDA License: N/A |
| Matrix: Concentrate | Test ID: T000234715 | Started: 08Feb2023 | Sampler ID: N/A |
| | Method(s): TM04 (GC-MS): Residual Solvents | Received: 07Feb2023 | Status: Active |

| Residual Solvents | Dynamic Range (ppm) | Result (ppm) | Notes |
|-------------------------------|---------------------|--------------|-------|
| Propane | 98 - 1954 | ND | |
| Butanes (Isobutane, n-Butane) | 202 - 4048 | ND | |
| Methanol | 63 - 1259 | ND | |
| Pentane | 102 - 2045 | ND | |
| Ethanol | 105 - 2103 | ND | |
| Acetone | 102 - 2034 | ND | |
| Isopropyl Alcohol | 106 - 2113 | ND | |
| Hexane | 6 - 121 | ND | |
| Ethyl Acetate | 103 - 2056 | ND | |
| Benzene | 0.2 - 4.1 | ND | |
| Heptanes | 101 - 2016 | ND | |
| Toluene | 19 - 375 | ND | |
| Xylenes (m,p,o-Xylenes) | 142 - 2839 | ND | |

Final Approval



Karen Winternheimer
09Feb2023
07:32:00 AM MST

PREPARED BY / DATE



Sam Smith
09Feb2023
07:35:00 AM MST

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/b8d82dcc-283d-4368-be7a-e11cb49b65b9>

Definitions

ND = None Detected (defined by dynamic range of the method)
Dynamic Range = Limit of Quantitation (LOQ) through Upper Limit of Method Range

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Cert #4329.02

CDPHE Certified

b8d82dcc283d4368be7ae11cb49b65b9.1

900mg CBD Tincture- Mint

| | | | |
|------------------------------------|---|-------------------------------|----------------------|
| Batch ID or Lot Number: 231107L | Test: Mycotoxins | Reported: 09Feb2023 | USDA License: N/A |
| Matrix: Concentrate | Test ID: T000234716 | Started: 08Feb2023 | Sampler ID: N/A |
| | Method(s): TM18 (UHPLC-QQQ LCMS/MS): Mycotoxins | Received: 07Feb2023 | Status: Active |

| Mycotoxins | Dynamic Range (ppb) | Result (ppb) | Notes |
|---------------------------------------|----------------------------|---------------------|--------------|
| Ochratoxin A | 3.89 - 121.34 | ND | N/A |
| Aflatoxin B1 | 1.03 - 31.31 | ND | |
| Aflatoxin B2 | 0.96 - 31.53 | ND | |
| Aflatoxin G1 | 1.09 - 31.81 | ND | |
| Aflatoxin G2 | 1.12 - 31.87 | ND | |
| Total Aflatoxins (B1, B2, G1, and G2) | | ND | |

Final Approval


Sam Smith
09Feb2023
11:30:00 AM MST

PREPARED BY / DATE


Karen Winternheimer
09Feb2023
11:33:00 AM MST

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/975f7446-3cb1-4984-b0e0-75fe781d8f8b>

Definitions
ND = None Detected (defined by dynamic range of the method)
Dynamic Range = Limit of Quantitation (LOQ) through Upper Limit of Method Range

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 17025:2017 Accredited by A2LA.



Cert #4329.02



CDPHE Certified



975f74463cb14984b0e075fe781d8f8b.1


900mg CBD Tincture- Mint

| | | | |
|---|---|-------------------------------|----------------------|
| Batch ID or Lot Number: 231107L | Test: Microbial Contaminants | Reported: 13Nov2023 | USDA License: N/A |
| Matrix: Finished Product | Test ID: T000261693 | Started: 10Nov2023 | Sampler ID: N/A |
| | Method(s): TM25 (qPCR) TM24, TM26, TM27 (Culture Plating): Microbial (Colorado Panel) | Received: 10Nov2023 | Status: Active |

Microbial

| Contaminants | Method | LOD | Quantitation Range | Result | Notes |
|-----------------------|-----------------------|-------------------------|---|---------------|---|
| STEC | TM25: PCR | 10 ⁰ CFU/25g | NA | Absent | Free from visual mold, mildew, and foreign matter |
| <i>Salmonella</i> | TM25: PCR | 10 ⁰ CFU/25g | NA | Absent | |
| Total Yeast and Mold* | TM24: Culture Plating | 10 ¹ CFU/g | 1.0x10 ² - 1.5x10 ⁴ | None Detected | |
| Total Aerobic Count* | TM26: Culture Plating | 10 ² CFU/g | 1.0x10 ³ - 1.5x10 ⁵ | None Detected | |
| Total Coliforms* | TM27: Culture Plating | 10 ¹ CFU/g | 1.0x10 ² - 1.5x10 ⁴ | None Detected | |

Final Approval



Eden Thompson-Wright
13Nov2023
02:52:00 PM MST

PREPARED BY / DATE



Brianne Maillot
13Nov2023
04:17:00 PM MST

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/f43882f6-f7b0-4a9d-9445-cf92412ff07b>

Definitions

* Values recorded in scientific notation, a common microbial practice of expressing numbers that are too large to be conveniently written in decimal form. Examples: 10² = 100 CFU, 10³ = 1,000 CFU, 10⁴ = 10,000 CFU, 10⁵ = 100,000 CFU
CFU/g = Colony Forming Units per Gram, LOD = Limit of Detection
ULOQ = Upper Limit of Quantitation, LLOQ = Lower Limit of Quantitation
STEC = Shiga Toxin-Producing E. coli

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Cert #4329.02

CDPHE Certified
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