

PRODUCT NAME: Organic Delta 9 THC Tincture (Citrus)

PRODUCT STRENGTH: 900mg CBD + 75mg THC per bottle

 TINCTURE BATCH:
 230501A

 BEST BY DATE:
 5/1/2025

 HEMP EXTRACT LOT:
 606

Physical Atttributes

| Test | Method | Specification | Results |
|-------------------------|--------------|---------------------------------------------------------------------------------------------------------------------|---------|
| Color | Joy Internal | Golden to Amber | PASS |
| Odor | Joy Internal | Characteristic - Coconut and hemp, citrus | 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 | 1198mg | PASS |
| Potency - D9-THC | HPLC-UV DAD | LOQ: 10 ppm (.001-0.3%) (product strength) mg / bottle | 77mg | 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 | Below LOQ | PASS |
| Microbial Salmonella | PCR | Complies with CDPHE 6 CCR 1010-21 - LOQ 1 CFU/25 gram | Below LOQ | 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 10^2=100 CFU 10^3=1,000 CFU

Quality Certified

ala

5/3/2023

Date



Organic Full Spectrum Tincture- Citrus

| Batch ID or Lot Number:230501A | Test, Test ID and Methods: Various | Matrix: Concentrate | Page 1 of 5 |
|--------------------------------|---------------------------------------|------------------------|-------------|
| Reported: | Started: | Received: | |
| 28Mar2023 | 27Mar2023 | 24Mar2023 | |

Cannabinoids - Colorado Compliance

Test ID: T000239188

Methods: TM14 (HPLC-DAD): Potency - Standard

| Cannabinoid Analysis | LOD (%) | LOQ (%) | Result (%) | Result (mg/g) | Notes |
|----------------------------------------------|----------------|----------------|------------|---------------|-------|
| Cannabichromene (CBC) | 0.007 | 0.020 | 0.028 | 0.28 | |
| Cannabichromenic Acid (CBCA) | 0.006 | 0.019 | ND | ND | |
| Cannabidiol (CBD) | 0.020 | 0.054 | 4.032 | 40.32 | |
| Cannabidiolic Acid (CBDA) | 0.020 | 0.056 | ND | ND | |
| Cannabidivarin (CBDV) | 0.005 | 0.013 | 0.018 | 0.18 | |
| Cannabidivarinic Acid (CBDVA) | 0.009 | 0.023 | ND | ND | |
| Cannabigerol (CBG) | 0.004 | 0.012 | 0.041 | 0.41 | |
| Cannabigerolic Acid (CBGA) | 0.017 | 0.049 | ND | ND | |
| Cannabinol (CBN) | 0.005 | 0.015 | 0.026 | 0.26 | |
| Cannabinolic Acid (CBNA) | 0.011 | 0.033 | ND | ND | |
| Delta 8-Tetrahydrocannabinol (Delta 8-THC) | 0.020 | 0.058 | ND | ND | |
| Delta 9-Tetrahydrocannabinol (Delta 9-THC) | 0.018 | 0.053 | 0.262 | 2.62 | |
| Delta 9-Tetrahydrocannabinolic Acid (THCA-A) | 0.016 | 0.047 | ND | ND | |
| Tetrahydrocannabivarin (THCV) | 0.004 | 0.011 | ND | ND | |
| Tetrahydrocannabivarinic Acid (THCVA) | 0.014 | 0.041 | ND | ND | |
| Total Cannabinoids | | | 4.407 | 44.07 | • |
| Total Potential THC | | | 0.262 | 2.62 | |
| Total Potential CBD | | | 4.032 | 40.32 | |

Final Approval

Sawantha Small 28Mar2023 08:52:00 AM MDT

Sam Smith

PREPARED BY / DATE

Materihemer 08:56:00 AM MDT

Karen Winternheimer 28Mar2023



Organic Full Spectrum Tincture- Citrus

| Batch ID or Lot Number: 230501A | Test, Test ID and Methods: Various | Matrix: Concentrate | Page 2 of 5 | |
|---------------------------------|---------------------------------------|------------------------|-------------|--|
| Reported: 28Mar2023 | Started: 27Mar2023 | Received: 24Mar2023 | | |

Pesticides

Test ID: T000239189 Methods: TM17

| (LC-QQ LC MS/MS) | Dynamic Range (ppb) | Result (ppb) |
|---------------------|---------------------|--------------|
| Abamectin | 374 - 2672 | ND |
| Acephate | 18 - 2844 | ND |
| Acetamiprid | 40 - 2758 | ND |
| Azoxystrobin | 45 - 2727 | ND |
| Bifenazate | 41 - 2784 | ND |
| Boscalid | 66 - 2638 | ND |
| Carbaryl | 43 - 2727 | ND |
| Carbofuran | 42 - 2705 | ND |
| Chlorantraniliprole | 42 - 2649 | ND |
| Chlorpyrifos | 55 - 2672 | ND |
| Clofentezine | 293 - 2709 | ND |
| Diazinon | 289 - 2767 | ND |
| Dichlorvos | 274 - 2725 | ND |
| Dimethoate | 40 - 2753 | ND |
| E-Fenpyroximate | 287 - 2726 | ND |
| Etofenprox | 48 - 2703 | ND |
| Etoxazole | 306 - 2700 | ND |
| Fenoxycarb | 43 - 2757 | ND |
| Fipronil | 39 - 2784 | ND |
| Flonicamid | 42 - 2787 | ND |
| Fludioxonil | 333 - 2624 | ND |
| Hexythiazox | 45 - 2742 | ND |
| Imazalil | 289 - 2748 | ND |
| Imidacloprid | 40 - 2751 | ND |
| Kresoxim-methyl | 43 - 2817 | ND |

| | Dynamic Range (ppb) | Result (ppb) |
|-----------------|----------------------------|--------------|
| Malathion | 279 - 2740 | ND |
| Metalaxyl | 44 - 2755 | ND |
| Methiocarb | 40 - 2669 | ND |
| Methomyl | 42 - 2802 | ND |
| MGK 264 1 | 175 - 1559 | ND |
| MGK 264 2 | 119 - 1122 | ND |
| Myclobutanil | 47 - 2696 | ND |
| Naled | 50 - 2695 | ND |
| Oxamyl | 44 - 2792 | ND |
| Paclobutrazol | 49 - 2706 | ND |
| Permethrin | 261 - 2620 | ND |
| Phosmet | 40 - 2745 | ND |
| Prophos | 296 - 2692 | ND |
| Propoxur | 40 - 2711 | ND |
| Pyridaben | 311 - 2711 | ND |
| Spinosad A | 34 - 2208 | ND |
| Spinosad D | 54 - 492 | ND |
| Spiromesifen | 284 - 2702 | ND |
| Spirotetramat | 276 - 2790 | ND |
| Spiroxamine 1 | 19 - 1142 | ND |
| Spiroxamine 2 | 24 - 1509 | ND |
| Tebuconazole | 274 - 2734 | ND |
| Thiacloprid | 43 - 2751 | ND |
| Thiamethoxam | 44 - 2778 | ND |
| Trifloxystrobin | 40 - 2722 | ND |

Final Approval

Karen Winternheimer 30Mar2023 12:35:00 PM MDT

PREPARED BY / DATE

Samantha Small 30Mar2023 12:51:00 PM MDT

APPROVED BY / DATE

Sam Smith



Organic Full Spectrum Tincture- Citrus

| Batch ID or Lot Number: 230501A | Test, Test ID and Methods: Various | Matrix: Concentrate | Page 3 of 5 | |
|---------------------------------|---------------------------------------|------------------------|-------------|--|
| Reported: 28Mar2023 | Started: 27Mar2023 | Received: 24Mar2023 | | |

Residual Solvents -Colorado Compliance

Test ID: T000239192

Methods: TM04 (GC-MS): Residual

| Solvents | Dynamic Range (ppm) | Result (ppm) | Notes |
|-------------------------------|----------------------------|--------------|-------|
| Propane | 108 - 2166 | ND | |
| Butanes (Isobutane, n-Butane) | 221 - 4430 | ND | |
| Methanol | 65 - 1306 | ND | |
| Pentane | 109 - 2173 | ND | |
| Ethanol | 106 - 2110 | ND | |
| Acetone | 105 - 2107 | ND | |
| Isopropyl Alcohol | 108 - 2159 | ND | |
| Hexane | 6 - 126 | ND | |
| Ethyl Acetate | 106 - 2124 | ND | |
| Benzene | 0.2 - 4.4 | ND | |
| Heptanes | 107 - 2141 | ND | |
| Toluene | 19 - 373 | ND | |
| Xylenes (m,p,o-Xylenes) | 132 - 2646 | ND | |

Final Approval

Karen Winternheimer 30Mar2023 MENHUMA 03:04:00 PM MDT

PREPARED BY / DATE

Samantha Smot 30Mar2023 03:07:00 PM MDT APPROVED BY / DATE

Sam Smith



Organic Full Spectrum Tincture- Citrus

| Batch ID or Lot Number:230501A | Test, Test ID and Methods: Various | Matrix: Concentrate | Page 4 of 5 | |
|--------------------------------|---------------------------------------|------------------------|-------------|--|
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Microbial Contaminants -Colorado Compliance

Test ID: T000239190

Methods: TM25 (qPCR) TM24, TM26,

| TM27 (Culture Plating): Microbial | | | Quantitation | | |
|-----------------------------------|--------------------------|-------------------------|-------------------------------------------|---------------|---------------------------------------------------|
| (Colorado Panel) | Method | LOD | Range | Result | Notes |
| STEC | TM25: PCR | 10 ⁰ CFU/25g | NA | Absent | Free from visual mold, mildew, and foreign matter |
| Salmonella | TM25: PCR | 10 ⁰ CFU/25g | NA | Absent | - Toreign matter |
| 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

PREPARED BY / DATE

Eden Thompson-Wright 01Apr2023 09:30:00 AM MDT

Branne Maillot 02Apr2023

Brianne Maillot 02:52:00 PM MDT

APPROVED BY / DATE

Mycotoxins - Colorado Compliance

Test ID: T000239193

Methods: TM18 (UHPLC-QQQ

| LCMS/MS): Mycotoxins | Dynamic Range (ppb) | Result (ppb) | Notes |
|-------------------------------------|---------------------|--------------|-------|
| Ochratoxin A | 2.52 - 132.57 | ND | N/A |
| Aflatoxin B1 | 0.96 - 33.29 | ND | |
| Aflatoxin B2 | 0.93 - 32.86 | ND | |
| Aflatoxin G1 | 1.06 - 32.83 | ND | |
| Aflatoxin G2 | 0.96 - 32.66 | ND | |
| Total Aflatoxins (B1, B2, G1, and G | 2) | ND | |

Final Approval

Sawantha Smoll PREPARED BY / DATE

Sam Smith 05Apr2023 11:49:00 AM MDT

Withhume 11:51:00 AM MDT APPROVED BY / DATE

Karen Winternheimer 05Apr2023



Organic Full Spectrum Tincture- Citrus

| Batch ID or Lot Number:230501A | Test, Test ID and Methods: Various | Matrix: Concentrate | Page 5 of 5 |
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Heavy Metals -Colorado Compliance

Test ID: T000239191

Methods: TM19 (ICP-MS): Heavy

| Metals | Dynamic Range (ppm) | Result (ppm) | Notes |
|---------|---------------------|--------------|-------|
| Arsenic | 0.04 - 4.06 | ND | |
| Cadmium | 0.05 - 4.56 | ND | |
| Mercury | 0.04 - 4.27 | ND | • |
| Lead | 0.05 - 4.52 | ND | - |

Final Approval

Gamantha Smill 05Apr2023

Sam Smith 03:03:00 PM MDT

PREPARED BY / DATE

Mtenheumer 03:31:00 PM MDT

Karen Winternheimer 05Apr2023



https://results.botanacor.com/api/v1/coas/uuid/88c26460-9cbd-4d5f-b7d9-be422325e044

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 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 17025:2017 Accredited by A2LA. Some tests listed on this COA may not be within our scope of A2LA accreditation. Please visit A2LA for more details







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