## CERTIFICATE OF ANALYSIS

PRODUCT NAME:

PRODUCT STRENGTH:

Certified Organic CBD Tincture - Orange
3572 mg / bottle

 TINCTURE BATCH:
 22061C

 BEST BY DATE:
 09/02/2023

 HEMP EXTRACT LOT:
 CO444/223

## \*Click on the links to view third-party reports\*

### Physical Atttributes

| Test                             | Method   | Specification   | Results |
|----------------------------------|----------|---|---------|
| Color                            | Internal | Golden to Amber   | PASS    |
| Odor                             | Internal | Characteristic - Coconut and Hemp, Orange   | 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.<br>Sufficient cushion material exists. Box taped and secure. | PASS    |

#### Review of Third-Party Analysis

| Panel                                | Panel Method Specification |   | Results*               | Pass/Fail |  |
|--------------------------------------|----------------------------|---|------------------------|-----------|--|
| Potency - Total CBD                  | HPLC-UV DAD                | *NLT 3572 mg / bottle   | %(()'%a[               | PASS      |  |
| Potency - D9-THC                     | HPLC-UV DAD                | LOQ: 10 ppm (.001-0.3%)   | OQ: 10 ppm (.001-0.3%) |           |  |
| Expanded Pesticide Panel             | HPLC-QQQ                   | LOQ: Complies with CDPHE 6 CCR<br>1010-21 Industrial Hemp Extract   | Below LOQ              | 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  Cadmium (Cd): ≤0.5 ppm  Lead (Pb): ≤0.5 ppm  Mercury (Hg): ≤1.5 ppm   Below LOQ  PASS |                        | PASS      |  |
| Mycotoxins                           | ICP-MS                     | Total Aflatoxins <20 ppb†<br>Afltoxin B1 < 20 ppb<br>Ochratoxin < 20 ppb                                      | Below LOQ              | PASS      |  |
| Residual Solvents                    | GC-HS-MSD                  | LOQ: Complies with CDPHE 6 CCR<br>1010-21 Industrial Hemp Extract   | Below LOQ              | 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 Keegan Schlittler

Keegan Schlittler

03/07/2021

Date

Quality Assurance Technician



certificate ID

1BS31

### C0222-001

## **7USC1639 Certificate of Analysis**

man. date 2/22/2021

total cannabinoids 1562.0mg per 30 mL

THC total ND

CBD total 1445.1m

terpenes

This Product Has Been Tested and Complies with 7USC1639o(1)

MSP-7 5 1 6

Stillwater Laboratories

MIP

MSP-7.5.1.6

limit

0.00 ppm 2.00 ppm 30.00 2.00 ppm 0.00 ppm 3.00 ppm 5.00 ppm 15.00 87.00 ppm 0.10 ppm 0.00 ppm 0.00 ppm 9.00 ppm 0,50 ppm 0.20 ppm 0.00 ppm 20.00

order 9903

analysis date 2/22/2021 5:32:07 PM

test tag S1BWO

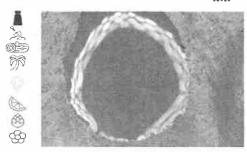
sample wgt

Inspection MSP-7.5.1.2

DESCRIPTION: Concentrate sample received in a client-labeled bottle, collected at dispensary/grow. 1 and sample tag S1BWO.

caryophyllene humulene terpinolene ocimene beta pinene alpha pinene limonene myrcene linalool

Terpenes



LOQ (95%Cl k=2) Potency per 30 mL MSP-7.5.1.4 LOD tetrahydrocannabolic acid (THCa) ND 0.07 | 0.22 | ±0.22mg Δ9-tetrahydrocannabinol (Δ9 THC) ND 0.07 | 0.21 | ±0.21mg Δ8-tetrahydrocannabinol (Δ8 THC) ND 0.09 | 0.28 | ±0.28mg ND tetrahydrocannabivarin (THCv) 0.08 | 0.23 | ±0.23mg cannabidiolic acid (CBDa) ND 0.06 | 0.19 | ±0.19mg cannabidiol (CBD) 1445.1mg 0.07 | 0.22 | ±24.61mg 0.07 | 0.22 | ±0.28mg cannabidivarin (CBDv) 3.6mg cannabigerolic acid (CBGa) NĎ 0.07 | 0.20 | ±0.20mg 0.04 | 0.13 | ±1.50mg 81.3mg cannabigerol (CBG) cannabinol (CBN) ND 0.04 | 0.12 | ±0.12mg cannabichromene (CBC) 32.0mg 0.07 | 0.22 | ±0.76mg

| ‡ = decarbed NT = not tested NL = no limit, ND = not detected, LOD = detection limit , LOQ = quantitation limit |               |            |                   |             |           |                    |             |          |                    |             |         |
|---|---------------|------------|-------------------|-------------|-----------|--------------------|-------------|----------|--------------------|-------------|---------|
| Microbial   | MSP-7 5 1 1   | 0 limit    | Metals м          | SP-7_5_1.1  | 1 = limit | Pesticides         | MSP-7,5,1.8 | limit    | Pesticides         | MSP-7,5,1.8 | 3 limit |
| 1   | E.coli PASS   | 0CFU       | Arsenic           | PASS        | 1500 ppb  | Abamectin          | PASS        | 0.30 ppm | Fipronil           | PASS        | 0.00 p  |
|   | la sp. PASS   | 0CFU       | Cadmium           |             | 500 ppb   | Acephate           | PASS        | 5.00 ppm | Flonicamid         | PASS        | 2.00 p  |
|   | nolds PASS    | 10000CFU   |                   | PASS        | 500 ppb   | Acequinocyl        |             | 4.00 ppm |                    | PASS        | 30.00   |
| Ochrato   | xin A PASS    | 20 ppb     | Mercury           | PASS        | 300 ppb   | Acetamiprid        |             | 5.00 ppm | Hexythiazox        | PASS        | 2.00 p  |
|   |               |            | •                 |             |           | Aldicarb           | PASS        | 0.00 ppm |                    | PASS        | 0.00 p  |
| Allo  | ILOXIII I AGG | го ррг     |                   |             |           | Azoxystrobin       | PASS        | 40.00    | Imidacloprid       | PASS        | 3.00 p  |
| Solvents  | MSP-7.5 1.7   | limit 🖟    | Pesticides N      | ISP-7 5.1 8 | 3 limit   | Bifenazate         | PASS        | 5.00 ppm |                    | PASS        | 5.00 p  |
| Ace   | etone PASS    | 5000 ppm ÷ | Permethrin        | PASS        | 20.00 ppm | Bifenthrin         | PASS        | 0.50 ppm | Metalaxyl          | PASS        | 15.00   |
|   | nitrile PASS  | 410 ppm    | Phosmet           |             | 0.20 ppm  | Boscalid           | PASS        | 10,00    | Methiocarb         | PASS        | g 500.5 |
| Ben   | zene PASS     | 0 ppm      | Piperonylbutoxide |             | 8,00 ppm  | Carbaryl           | PASS        | 8.30 ppm | Methomyl           | PASS        | 0.10 p  |
| Bı  | utane PASS    | 5000 ppm   | Prallethrin       |             | 0.40 ppm  | Carbofuran         | PASS        | 0.00 ppm | Methyl parathion   | PASS        | 0.00 p  |
| Chlore  | oform PASS    | 0 ppm      | Propiconazole     | PASS        | 20.00 ppm | Chloantraniliprole | PASS        | 40.00    | Mevinphos          | PASS        | 0.00 p  |
| Cyclohe   | exane PASS    | 0 ppm      | Propoxur          | PASS        | 0.00 ppm  | Chlorfenapyr       | PASS        | 0.00 ppm | Myclobutanil       | PASS        | 9.00 p  |
| Eti   | hanol PASS    | 10000 ppm  | Pyrethrin         | PASS        | 1.00 ppm  | Chlorpyrifos       | PASS        | 0.00 ppm | Naled              | PASS        | 0,50 p  |
| Hep   | ptane PASS    | 5000 ppm   | Pyridaben         | PASS        | 3.00 ppm  | Clofentezine       | PASS        | 0.50 ppm | Oxamyl             | PASS        | 0.20 p  |
| He  | exane PASS    | 290 ppm    | Spinetoram        | PASS        | 3.00 ppm  | Coumaphos          | PASS        | 0.00 ppm | Paclobutrazol      | PASS        | 0.00 p  |
| Isopropyl ale   | cohol PASS    | 5000 ppm   | Spinosad          | PASS        | 3.00 ppm  | Cyfluthrin         | PASS        | 1.00 ppm | Permethrin         | PASS        | 20.00   |
| Meti  | hanol PASS    | 3000 ppm   | Spiromesifen      | PASS        | 12.00 ppm | Cypermethrin       | PASS        | 1.00 ppm | INSTRUMENTS        |             | 0.000   |
| Per   | ntane PASS    | 5000 ppm   | Spirotetramat     | PASS        | 13.00 ppm | Daminozide         | PASS        | 0.00 ppm | potency: HPLC (LC  | 2030C-UV)   |         |
| Pro   | pane PASS     | 5000 ppm   | Spiroxamine       | PASS        |           | Dichlorvos         | PASS        | 0.00 ppm | terpenes: GCMS (Q  |             |         |
|   |               | 890 ppm    | Tebuconazole      | PASS        | 2.00 ppm  | Diazinon           | PASS        | 0.20 ppm | *                  |             |         |
| Xy  | lenes PASS    | 2170 ppm   | Thiacloprid       | PASS        | 0.10 ppm  | Dimethoate         | PASS        | 0.00 ppm |                    |             |         |
|   |               |            | Thiamethoxam      | PASS        |           | Etoxazole          | PASS        | 1.50 ppm | miorobioli aCCD /A |             |         |
|   |               |            | Trifloxystrobin   | PASS        | 30.00 ppm | Fenoxycarb         |             | 0.00 ppm | metals: ICPMS (ICP |             |         |
|   |               |            |                   |             |           | Голомиония         |             | 2 00 555 |                    |             |         |

SECURITY FEATURE: WATERMARK MUST MATCH CERTIFICATE ID AND ISSUE DATE

Certified by:

Justin M Johnston Deputy Director

Stillwater Laboratories Inc. MT License L00001, 7, 8 6073 US93N Suite 5 Olney MT 59927 406-881-2019

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Fenpyroximate



2.00 ppm

PASS



ISO/IEC 17025:2017



https://portal.a2la.org/scopepdf/4961-01.pdf



# **Official Compliance: Colorado** CERTIFICATE OF ANALYSIS

### OTO1350

Batch ID or Lot Number: Test: Reported: 22061A **Microbial** 3/7/22

**Contaminants** 

Test ID: Started: **USDA License:** Matrix:

**Finished Product** T000196001 3/2/22 N/A

TM24, TM26, TM27(Culture Plating):

Sampler ID: Status: Methods: Received:

TM25 (qPCR) 03/02/2022 @ 10:54 AM N/A N/A

Microbial

### MICROBIAL CONTAMINANTS DETERMINATION

| Contaminant           | Method                 | LOD           | LLOQ       | ULOQ           | Result        |  |
|-----------------------|------------------------|---------------|------------|----------------|---------------|--|
| Total Aerobic Count*  | TM-26, Culture Plating | 10^2 CFU/g    | 10^3 CFU/g | 1.5x10^5 CFU/g | None Detected |  |
| Total Coliforms*      | TM-27, Culture Plating | 10^1 CFU/g    | 10^2 CFU/g | 1.5x10^4 CFU/g | None Detected |  |
| Total Yeast and Mold* | TM-24, Culture Plating | 10^1 CFU/g    | 10^2 CFU/g | 1.5x10^4 CFU/g | None Detected |  |
| STEC                  | TM-25, PCR             | 10^0 CFU/25 g | NA         | NA             | Absent        |  |
| Salmonella            | TM-25, PCR             | 10^0 CFU/25 g | NA         | NA             | Absent        |  |

**Notes** 

Free from visual mold, mildew, and foreign matter

Branne Maillot

Brianne Maillot 3/5/2022 2:09:00 PM

Eden Thompson

Eden Thompson-Wright 3/7/2022 9:12:00 AM

PREPARED BY / DATE

APPROVED BY / DATE

#### **Definitions**

LOD = Limit of Detection | LLOQ = Lower Limit of Quantitation | ULOQ = Upper Limit of Quantitation CFU/g = Colony Forming Units per Gram | STEC = Shiga Toxin-Producing E. coli

\* 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 Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC 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 Botanacor Laboratories,





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