

CERTIFICATE OF ANALYSIS

PRODUCT NAME: Certified Organic CBD Tincture - Natural
PRODUCT STRENGTH: 1350 mg
FILL LOT: C0211-001
TINCTURE BATCH: 21104A
BEST BY DATE: 10/14/2022
HEMP EXTRACT LOT NA

Click on the links to view third-party reports

Physical Attributes

| Test | Method | Specification | Results |
|-------------------------|---------|--|---------|
| Color | SOP-100 | Golden to Amber | PASS |
| Odor | SOP-100 | Characteristic - Olive and hemp | PASS |
| Appearance | SOP-100 | Golden to Amber oil in brown glass bottle with dropper | PASS |
| Primary Package Eval. | SOP-132 | Container clean and free of filth. Container caps tight and shrink bands intact | PASS |
| Secondary Package Eval. | SOP-132 | 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 | SOP-111 | 1350-1687.5 mg CBD LOQ**: 10 PPM† (0.001%) | 1433.2 mg | PASS |
| Potency - D9-THC | SOP-111 | None Detected LOQ: 10 PPM (0.001%) | ND | PASS |
| Compliant Pesticide Panel | SOP-111 | WIP-100008 : Product specification for Tinctures, Oregon Action limits apply | ND | PASS |
| Microbial - Stec E.Coli | SOP-111 | Complies with USP 61/62 | Below LOQ | PASS |
| Microbial - Salmonella | SOP-111 | Complies with USP 61/62 | Below LOQ | PASS |
| Microbial - Yeast and Mold | SOP-111 | Complies with USP 61/62 | Below LOQ | PASS |
| CA Compliant Heavy Metal Panel | SOP-111 | Arsenic (As): ≤1.5 PPM Cadmium (Cd): ≤0.5 PPM Mercury (Hg): ≤1.0 PPM Lead (Pb): ≤0.5 PPM | ND | PASS |

* *Level of Quantitation, † Parts Per Million

Quality Certified

Kei Horikawa

Kei Horikawa
Quality Control Manager

04/22/2021

Date



C0211-001

7USC1639 Certificate of Analysis

sample ID 25880

total cannabinoids 1511.3mg per 30mL

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

Stillwater Laboratories

certificate ID 1BK55

THC total ND CBD total 1433.2m terpenes

order 9818

analysis date 2/12/2021 12:15:22 PM

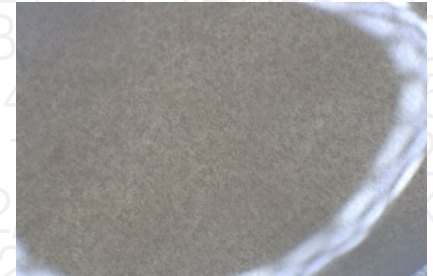
test tag 9818.2

sample wgt

Inspection MSP-7.5.1.2

DESCRIPTION: Oil sample received in a client-labeled bottle, by commercial courier. Labeled 25880 and sample tag 9818.2.

- caryophyllene
humulene
terpinolene
ocimene
beta pinene
alpha pinene
limonene
myrcene
linalool



MIP

Potency per 30mL

Table with 4 columns: Compound, Result, LOD, LOQ, error (95%CI k=2). Rows include tetrahydrocannabinolic acid (THCa), delta-9-tetrahydrocannabinol (delta 9 THC), delta-8-tetrahydrocannabinol (delta 8 THC), tetrahydrocannabivarin (THCv), cannabidiolic acid (CBDa), cannabidiol (CBD), cannabidivarin (CBDv), cannabigerolic acid (CBGa), cannabigerol (CBG), cannabinal (CBN), and cannabichromene (CBC).

Terpenes

MSP-7.5.1.6

MSP-7.5.1.6

‡ = decarbed NT = not tested NL = no limit, ND = not detected, LOD = detection limit, LOQ = quantitation limit

Large table with 4 main sections: Microbial, Solvents, Metals, and Pesticides. Each section lists various substances and their test results (PASS, FAIL, etc.).

INSTRUMENTS
potency: HPLC (LC2030C-UV)
terpenes: GCMS (QP2020/HS20)
solvents: GCMS (QP2020/HS20)
pesticides: LCMSMS (LC8060)
mycotoxins: LCMSMS (LC8060)
microbial: qPCR (AriaMx) and plating
metals: ICPMS (ICPMS-2030)

SECURITY FEATURE: WATERMARK MUST MATCH CERTIFICATE ID AND ISSUE DATE

Certified by:

Signature of Kyle Larson

Kyle Larson, MSc (Biology)
Deputy Director

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406-881-2019

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Certificate #4961.01

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

certificate ID
1DR14

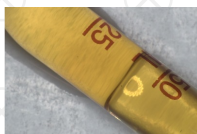
OTNAT 1350

R Certificate of Analysis

Lot# 21104A

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order 10510



Stillwater
Laboratories



| Microbial | MSP-7.5.1.10 | limit | LOD | LOQ | error | result | Pesticides | MSP-7.5.1.8 | limit | LOD | LOQ | error | result |
|--------------------|--------------|-------|-----|-----|-------|--------|------------|-------------|-------|-----|-----|-------|--------|
| E.coli | ND | NL | 0.0 | 0.1 | ±0.1 | CFU | NA | | | | | | |
| Salmonella sp. | ND | NL | 0.0 | 0.1 | ±0.1 | CFU | NA | | | | | | |
| molds | ND | NL | 1.8 | 5.5 | ±5.5 | CFU | NA | | | | | | |
| Ochratoxin A | ND | NL | 0.3 | 0.8 | ±0.8 | ppb | NA | | | | | | |
| Aflatoxin B1B2G1G2 | ND | NL | 0.3 | 0.8 | ±0.8 | ppb | NA | | | | | | |

| Metals | MSP-7.5.1.11 | limit | LOD | LOQ | error | result |
|--------|--------------|-------|-----|-----|-------|--------|
| | | | | | | |

SECURITY FEATURE: WATERMARK MUST MATCH CERTIFICATE ID AND ISSUE DATE

Certified by:

Kyle Larson, MSC
Deputy Director

Jacob Harris
QA Manager



ISO/IEC 17025:2017



Certificate #4961.01

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

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406-881-2019

INSTRUMENTS: Potency by HPLC (LC2030C-UV), solvents and terpenes by GCMS (QP2020/HS20), pesticides and mycotoxins by LCMSMS (LC8060), microbial by qPCR (AriaMx) and plating (Hardy Diagnostics), metals by ICPMS (ICPMS-2030)

• All testing was completed onsite at 6073 US93N, Olney MT • Potency (cannabinoid concentration) is calculated as: [cannabinoid] = [cannabinoid]_{HPLC} × volume_{dilution} / M_{dry} ••• Decarboxyated cannabinoid concentration is calculated XXX_{total} = 0.877 × XXX_A + XXX ••• Standards are used to calibrate the resulting data and estimate error using a standard estimate of error method; LOD is the limit of detection (3.3s), LOQ is the limit of quantification (3xLOD), and experimental error is calculated from weighing, dilution, and interpolation error using the formula s_i² = Σ (d_i/d_i)² s_e² where i is the contributor to error. The 95% confidence range is calculated from: (concentration) ± t_{CL,90} × s_g. Sampling error is not considered in error calculations. ND = not detected (< LOD), NT = not tested, NL = no limit, NA = not applicable. ‡ = decarbed

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