

# CERTIFICATE OF ANALYSIS

**PRODUCT NAME:** Certified Organic CBD Salve  
**PRODUCT STRENGTH:** 500 mg  
**FILL LOT NUMBER:** NA  
**SALVE BATCH:** 21802-05  
**BEST BY DATE:** 03/27/2023  
**HEMP EXTRACT LOT** [C0222-002](#)

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

### Physical Attributes

| Test                    | Method  | Specification  | Results |
|-------------------------|---------|--|---------|
| Color                   | SOP-100 | Off-white, cream color   | PASS    |
| Odor                    | SOP-100 | Neutral scent w/hint of hemp oil, sweet beeswax  | PASS    |
| Appearance              | SOP-100 | Firm textured salve in white roll-on container with cap  | 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 |
|---------------------------------------|---------|---|------------------|-----------|
| <b>Potency - Total CBD</b>            | SOP-111 | 500-650mg CBD<br>LOQ**: 10 PPM† (0.001%)  | <b>543.9 mg</b>  | PASS      |
| <b>Potency - D9-THC</b>               | SOP-111 | None Detected LOQ: 10 PPM (0.001%)  | <b>ND</b>        | PASS      |
| <b>Compliant Pesticide Panel</b>      | SOP-111 | WIP-100008 : Product specification for Tinctures, Oregon Action limits apply                      | <b>ND</b>        | PASS      |
| <b>Microbial - Stec E.Coli</b>        | SOP-111 | Complies with USP 61/62   | <b>Below LOQ</b> | PASS      |
| <b>Microbial - Salmonella</b>         | SOP-111 | Complies with USP 61/62   | <b>Below LOQ</b> | PASS      |
| <b>Microbial - Yeast and Mold</b>     | SOP-111 | Complies with USP 61/62   | <b>Below LOQ</b> | PASS      |
| <b>CA Compliant Heavy Metal Panel</b> | SOP-111 | Arsenic (As): ≤1.5 PPM<br>Cadmium (Cd): ≤0.5 PPM<br>Mercury (Hg): ≤1.0 PPM<br>Lead (Pb): ≤0.5 PPM | <b>ND</b>        | PASS      |

\*\*Level of Quantitation, † Parts Per Million

Quality Certified

  
 Kei Horikawa  
 Quality Control Manager

04/07/2021

Date

Salve 1oz OS10Z500



|                    |                 |        |           |
|--------------------|-----------------|--------|-----------|
| total cannabinoids | $\Delta^9$ -THC | THCa   | total THC |
| <b>575 mg</b>      | 0.0 mg          | 0.0 mg | 0.0 mg    |
| per                | CBD             | CBDa   | total CBD |
| <b>ounce</b>       | 536.3 mg        | 8.7 mg | 543.9 mg  |

Lot# 21802-05 WO 055680

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



Stillwater Laboratories

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

Sample Handling

|         |         |             |          |
|---------|---------|-------------|----------|
| test ID | 10299.1 | sample wt   | 28.4 g   |
| type    | topical | order       | 10299    |
| lab ID  | 1DB23   | sample date | 4/1/2021 |
| unit    | ounce   | unit weight | 28.4 g   |

Methods

| method     | equipment                |
|------------|--------------------------|
| weights    | MSP-7.3.1.3 AUX120.1     |
| potency    | MSP-7.5.1.5 LC-2030      |
| terpenes   | MSP-7.5.1.7 QP2020/HS20  |
| pesticides | MSP-7.5.1.8 LC-8060      |
| mycotoxins | MSP-7.5.1.8 LC-8060      |
| microbial  | MSP-7.5.1.1 AriaMx/Hardy |
| solvents   | MSP-7.5.1.6 QP2020/HS20  |
| metals     | MSP-7.5.1.1 ICPMS2030    |

topical



| Potency  | per   | ounce    | estimated error | Terpenes                              | % | estimated error | % | estimated error | % | estimated error |
|--|-------|----------|-----------------|---------------------------------------|---|-----------------|---|-----------------|---|-----------------|
| tetrahydrocannabinolic acid (THCa)                 | 0%    | 0.0 mg   | ± 0.47 mg       | terpenes<br>not tested / not required |   |                 |   |                 |   |                 |
| $\Delta^9$ -tetrahydrocannabinol ( $\Delta^9$ THC) | 0%    | 0.0 mg   | ± 0.47 mg       |                                       |   |                 |   |                 |   |                 |
| $\Delta^8$ -tetrahydrocannabinol ( $\Delta^8$ THC) | 0%    | 0.0 mg   | ± 0.47 mg       |                                       |   |                 |   |                 |   |                 |
| tetrahydrocannabivarin (THCv)                      | 0%    | 0.0 mg   | ± 0.47 mg       |                                       |   |                 |   |                 |   |                 |
| cannabidiolic acid (CBDa)                          | .03%  | 8.7 mg   | ± 0.78 mg       |                                       |   |                 |   |                 |   |                 |
| cannabidiol (CBD)                                  | 1.89% | 536.3 mg | ± 4.92 mg       |                                       |   |                 |   |                 |   |                 |
| cannabidivarin (CBDv)                              | 0%    | 1.2 mg   | ± 0.52 mg       |                                       |   |                 |   |                 |   |                 |
| cannabigerolic acid (CBGa)                         | .01%  | 3.5 mg   | ± 0.61 mg       |                                       |   |                 |   |                 |   |                 |
| cannabigerol (CBG)                                 | .09%  | 25.5 mg  | ± 1.17 mg       |                                       |   |                 |   |                 |   |                 |
| cannabinol (CBN)                                   | 0%    | 0.0 mg   | ± 0.47 mg       |                                       |   |                 |   |                 |   |                 |
| cannabichromene (CBC)                              | 0%    | 0.0 mg   | ± 0.47 mg       |                                       |   |                 |   |                 |   |                 |

| Solvents | MT limit | 1DB23 | LOQ | Pesticides (MT) | MT limit | 1DB23  | LOQ | Pesticides (other)  | 1DB23    | LOQ    |
|----------|----------|-------|-----|-----------------|----------|--------|-----|---------------------|----------|--------|
|          |          |       |     | abamectin       | 0.00 ppm | <10ppb |     | acephate            | 0.00 ppm | <10ppb |
|          |          |       |     | acequinocyl     | 0.00 ppm | <10ppb |     | acetamiprid         | 0.00 ppm | <10ppb |
|          |          |       |     | bifenazate      | 0.00 ppm | <10ppb |     | aldicarb            | 0.00 ppm | <10ppb |
|          |          |       |     | bifenthrin      | 0.00 ppm | <10ppb |     | azoxystrobin        | 0.00 ppm | <10ppb |
|          |          |       |     | chlormequat cl. | 0.00 ppm | <10ppb |     | boscalid            | 0.00 ppm | <10ppb |
|          |          |       |     | cyfluthrin      | 0.00 ppm | <80ppb |     | carbaryl            | 0.00 ppm | <10ppb |
|          |          |       |     | diaminozide     | 0.00 ppm | <10ppb |     | carbofuran          | 0.00 ppm | <10ppb |
|          |          |       |     | etoxazole       | 0.00 ppm | <10ppb |     | chlorantraniliprole | 0.00 ppm | <10ppb |
|          |          |       |     | fenoxycarb      | 0.00 ppm | <10ppb |     | chlorpyrifos        | 0.00 ppm | <10ppb |
|          |          |       |     | imazalil        | 0.00 ppm | <10ppb |     | clofentazine        | 0.00 ppm | <10ppb |
|          |          |       |     | imidacloprid    | 0.00 ppm | <10ppb |     | cypermethrin        | 0.00 ppm | <10ppb |
|          |          |       |     | myclobutanil    | 0.00 ppm | <10ppb |     | diazinon            | 0.00 ppm | <10ppb |
|          |          |       |     | paclobutrazol   | 0.00 ppm | <10ppb |     | dichlorvos          | 0.00 ppm | <10ppb |
|          |          |       |     | pyrethrins      | 0.00 ppm | <10ppb |     | dimethoate          | 0.00 ppm | <10ppb |
|          |          |       |     | spinosad        | 0.00 ppm | <10ppb |     | etofenprox          | 0.00 ppm | <10ppb |
|          |          |       |     | spiromesifen    | 0.00 ppm | <10ppb |     | fenpyroximate       | 0.00 ppm | <10ppb |
|          |          |       |     | spirotetramat   | 0.00 ppm | <10ppb |     | fipronil            | 0.00 ppm | <10ppb |
|          |          |       |     | trifloxystrobin | 0.00 ppm | <10ppb |     | flonicamid          | 0.00 ppm | <10ppb |

| Toxic Metals | MT limit | 1DB23   | LOQ    |
|--------------|----------|---------|--------|
| arsenic      | 2 ppm    | 0.0 ppm | <10ppb |
| cadmium      | 4.1 ppm  | 0.0 ppm | <10ppb |
| lead         | 1.2 ppm  | 0.0 ppm | <10ppb |
| mercury      | 0.4 ppm  | 0.0 ppm | <10ppb |

| Microbial             | MT limit  | 1DB23 | LOQ        |
|-----------------------|-----------|-------|------------|
| <i>E. coli</i>        | 10 CFU    | 0 CFU | <10 CFU/g  |
| Salmonella sp.        | 10 CFU    | 0 CFU | <10 CFU/g  |
| molds                 | 10000 CFU | 0 CFU | <10k CFU/g |
| Aflatoxin B1,B2,G1,G2 | 20 ppb    | 0 ppb | <20 ppb    |
| Ochratoxin A          | 20 ppb    | 0 ppb | <20 ppb    |

Comments

All testing was completed onsite at 6073 US93N, Olney MT. Potency (cannabinoid concentration) is calculated from the equation: [cannabinoid] = [cannabinoid]<sub>HPLC</sub> x volume<sub>dilution</sub>/m<sub>dry</sub>. Terpene concentration is calculated from the equation: [terpene] = (terpene mass)<sub>GCMS</sub> / m<sub>dry</sub>. Decarboxyted cannabinoid concentration is calculated from the equation XXX<sub>total</sub> = 0.877 x XXX<sub>a</sub> + XXX. Standards are used to calibrate the resulting data and estimate error using a standard estimate of error method; this is combined with error from weighing and dilution using the propagation of error formula s<sub>g</sub><sup>2</sup> = Σ (∂f/∂i)<sup>2</sup> s<sub>i</sub><sup>2</sup> where i is the contributor to error. The 95% confidence range is calculated from the equation: (concentration) ± t<sub>CL90</sub> x s<sub>g</sub>. Sampling error is not

Certified by:

Kyle Larson, MSc (Biology)  
Deputy Director  
6073 US93N, Olney MT 59927  
406-881-2019 rdb@stlwlabs.com

|                    |          |        |
|--------------------|----------|--------|
| hexythiazox        | 0.00 ppm | <10ppb |
| kresoxym-methyl    | 0.00 ppm | <10ppb |
| malathion          | 0.00 ppm | <10ppb |
| metalaxyl          | 0.00 ppm | <10ppb |
| methiocarb         | 0.00 ppm | <10ppb |
| methomyl           | 0.00 ppm | <10ppb |
| oxamyl             | 0.00 ppm | <10ppb |
| permethrins        | 0.00 ppm | <10ppb |
| phosmet            | 0.00 ppm | <10ppb |
| piperonyl butoxide | 0.00 ppm | <10ppb |
| prallethrin        | 0.00 ppm | <10ppb |
| propiconazole      | 0.00 ppm | <10ppb |
| pyridaben          | 0.00 ppm | <10ppb |
| spiroxamine        | 0.00 ppm | <10ppb |
| tebuconazole       | 0.00 ppm | <10ppb |
| thiacloprid        | 0.00 ppm | <10ppb |
| thiamethoxam       | 0.00 ppm | <10ppb |



CO222-002

7USC1639 Certificate of Analysis

Socati

man. date 2/24/2021

total cannabinoids 85.36%

THC total ND

CBD total 80.02%

terpenes 0.073%

Stillwater Laboratories

certificate ID 1BU31

order 9927

analysis date 2/24/2021 1:09:31 PM

test tag S1BXU

sample wgt 1.0 g

Inspection MSP-7.5.1.2

DESCRIPTION: Concentrate sample (1.00g) received in a client-labeled bottle, collected at dispensary/grow. 1 and sample tag S1BXU.

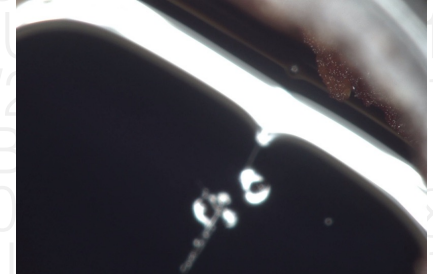
MSP-7.5.1.3

0.000

HERBAL

extract

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



0.000

FLORAL

Potency per

MSP-7.5.1.4

LOD

LOQ

error (95%CI k=2)

Table with 4 columns: Compound, Value, LOD, LOQ, Error. Rows include tetrahydrocannabinolic acid (THCa), delta-9-tetrahydrocannabinol (delta 9 THC), delta-8-tetrahydrocannabinol (delta 8 THC), etc.

Terpenes

MSP-7.5.1.6

MSP-7.5.1.6

Table with 3 columns: Compound, Value, Limit. Rows include linalool, beta-myrcene, D-limonene, alpha-pinene, beta-pinene, etc.

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

Microbial

MSP-7.5.1.10

limit

Metals

MSP-7.5.1.11

limit

Pesticides

MSP-7.5.1.8

limit

Pesticides

MSP-7.5.1.8

limit

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

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 Justin M Johnston

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

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Justin M Johnston
Deputy Director

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