

CERTIFICATE OF ANALYSIS

PRODUCT NAME: Certified Organic CBD Tincture - Orange
PRODUCT STRENGTH: 900 mg
FILL LOT NUMBER: 200924E
TINCTURE BATCH 201013H
BEST BY DATE: 03/15/2022
HEMP EXTRACT LOT*: [B01801-001](#)

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 | Coconut and hemp, orange | 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 | 900-1,125 mg CBD LOQ** : 10 PPM† (0.001%) | 995.7 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 10/27/2020
 Kei Horikawa Date
 Quality Control Manager

MCT Orange 900

Certificate of Analysis



| | | | |
|--------------------|-----------------|---------|-----------|
| total cannabinoids | Δ^9 -THC | THCa | total THC |
| 34 mg | 0.00 mg | 0.00 mg | 0.00 mg |
| per mL | CBD | CBDa | total CBD |
| mL | 33.19 mg | 0.00 mg | 33.19 mg |

Lot# 200924E

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



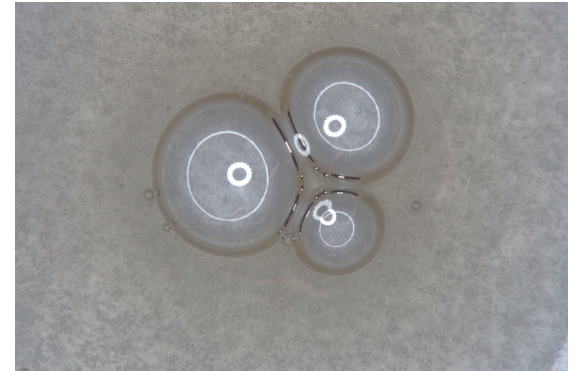
Stillwater Laboratories

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

Sample Handling

concentrate

| | |
|---------------------|--------------------------|
| test ID | sample wt |
| type concentrate | order 8558 |
| lab ID 0KE59 | sample date 10/7/2020 |
| unit mL | unit weight 0.9 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 |

| Potency | per mL | estimated error | Terpenes | % | estimated error | % | estimated error | % | estimated error |
|--|--------|--------------------|---------------------------------------|---|-----------------|---|-----------------|---|-----------------|
| tetrahydrocannabinolic acid (THCa) | 0% | 0.00 mg ± 0.02 mg | terpenes not tested / not required | | | | | | |
| Δ^9 -tetrahydrocannabinol (Δ^9 THC) | 0% | 0.00 mg ± 0.02 mg | | | | | | | |
| Δ^8 -tetrahydrocannabinol (Δ^8 THC) | 0% | 0.00 mg ± 0.02 mg | | | | | | | |
| tetrahydrocannabivarin (THCv) | 0% | 0.00 mg ± 0.02 mg | | | | | | | |
| cannabidiolic acid (CBDA) | 0% | 0.00 mg ± 0.02 mg | | | | | | | |
| cannabidiol (CBD) | 3.53% | 33.19 mg ± 0.04 mg | | | | | | | |
| cannabidivarin (CBDv) | 0% | 0.00 mg ± 0.02 mg | | | | | | | |
| cannabigerolic acid (CBGa) | 0% | 0.00 mg ± 0.02 mg | | | | | | | |
| cannabigerol (CBG) | .09% | 0.81 mg ± 0.02 mg | | | | | | | |
| cannabinol (CBN) | 0% | 0.00 mg ± 0.02 mg | | | | | | | |
| cannabichromene (CBC) | 0% | 0.00 mg ± 0.02 mg | | | | | | | |

| Solvents | MT limit | 0KE59 | LOQ | Pesticides (MT) | MT limit | 0KE59 | LOQ | Pesticides (other) | 0KE59 | LOQ |
|----------|----------|-------|-----|-----------------|----------|-------|-----|--------------------|-------|-----|
|----------|----------|-------|-----|-----------------|----------|-------|-----|--------------------|-------|-----|

pesticides
not tested / not required

not tested /
not required

| Toxic Metals | MT limit | 0KE59 | LOQ |
|--------------|----------|-------|-----|
|--------------|----------|-------|-----|

metals
not tested / not required

| Microbial | MT limit | 0KE59 | LOQ |
|-----------|----------|-------|-----|
|-----------|----------|-------|-----|

microbial not tested

Comments

Density = 0.94146mg/mL

• All testing was completed onsite at 6073 US93N, Olney MT • Potency (cannabinoid concentration) is calculated from the equation: [cannabinoid] = [cannabinoid]_{HPLC} x volume_{dilution}/m_{dry}. Terpene concentration is calculated from the equation: [terpene] = (terpene mass)_{GCMS} / m_{dry}. ••• Decarboxyted cannabinoid concentration is calculated from the equation XXX_{total} = 0.877 x XXX_a + 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_g² = Σ (∂f/∂i)²s_i² where i is the contributor to error. The 95% confidence range is calculated from the equation: (concentration) ± t_{CL90} x s_g. Sampling error is not

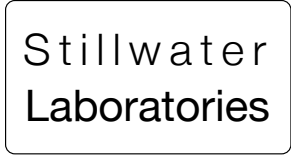
Certified by:

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



total CBD THC
 cannabinoids total 83.6% 0.0%
85.3% decarb total 83.44% 0%
 24273 Order# 8110

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



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

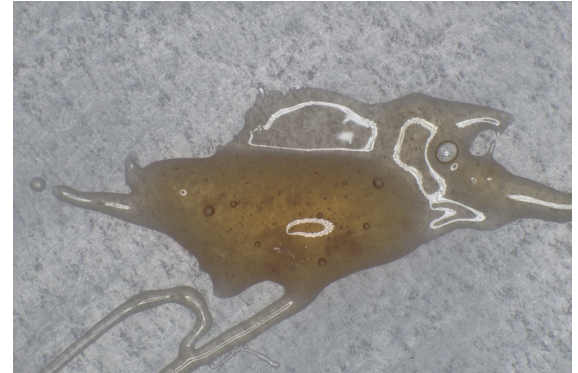
Sample Handling

test ID sample date 8/18/20 12:10 PM
 order 8110 labID OHL02 weight
 source

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 |
| solvents MSP-7.5.1.6 | QP2020/HS20 |
| metals MSP-7.5.1.11 | ICPMS2030 |

concentrate



Potency

| | % | estimated error |
|---|--------|-----------------|
| tetrahydrocannabinolic acid (THCa) | 0% | ± 0.02 % |
| Δ ⁹ -tetrahydrocannabinol (Δ ⁹ THC) | 0% | ± 0.02 % |
| Δ ⁸ -tetrahydrocannabinol (Δ ⁸ THC) | 0% | ± 0.02 % |
| tetrahydrocannabivarin (THCv) | 0% | ± 0.02 % |
| cannabidiolic acid (CBDa) | 1.11% | ± 0.08 % |
| cannabidiol (CBD) | 82.46% | ± 0.72 % |
| cannabidivarin (CBDv) | .32% | ± 0.05 % |
| cannabigerolic acid (CBGa) | 0% | ± 0.02 % |
| cannabigerol (CBG) | 1.45% | ± 0.10 % |
| cannabinol (CBN) | 0% | ± 0.02 % |
| cannabichromene (CBC) | 0% | ± 0.02 % |

Terpenes

terpenes not tested / not required

Solvents

| MT limit | OHL02 | LOQ |
|---------------------|-------|---------|
| propane 5,000 | 0 ppm | <10ppm |
| butanes 5,000 | 0 ppm | <10ppm |
| pentanes 5,000 | 0 ppm | <10ppm |
| hexanes 290 | 0 ppm | <10ppm |
| cyclohexane 3,880 | 0 ppm | <10ppm |
| heptanes 5,000 | 0 ppm | <10ppm |
| methanol 3,000 | 0 ppm | <10ppm |
| isopropanol 5,000 | 0 ppm | <10ppm |
| acetone 5,000 | 0 ppm | <10ppm |
| ethyl acetate 5,000 | 0 ppm | <10ppm |
| benzene 2 | 0 ppm | <0.2ppm |
| toluene 890 | 0 ppm | <10ppm |
| xylenes 2,170 | 0 ppm | <10ppm |
| chloroform 2 | 0 ppm | <0.2ppm |
| dichloromethane 600 | 0 ppm | <10ppm |

Pesticides (MT)

| MT limit | OHL02 | LOQ |
|--------------------------|--------|-----|
| abamectin 0.00 ppm | <10ppb | |
| acequinocyl 0.00 ppm | <10ppb | |
| bifenazate 0.00 ppm | <10ppb | |
| bifenthrin 0.00 ppm | <10ppb | |
| chlormequat cl. 0.00 ppm | <10ppb | |
| cyfluthrin 0.00 ppm | <80ppb | |
| diaminozide 0.00 ppm | <10ppb | |
| etoxazole 0.00 ppm | <10ppb | |
| fenoxycarb 0.00 ppm | <10ppb | |
| imazalil 0.00 ppm | <10ppb | |
| imidacloprid 0.00 ppm | <10ppb | |
| myclobutanil 0.00 ppm | <10ppb | |
| paclobutrazol 0.00 ppm | <10ppb | |
| pyrethrins 0.00 ppm | <10ppb | |
| spinosad 0.00 ppm | <10ppb | |
| spiromesifen 0.00 ppm | <10ppb | |
| spirotetramat 0.00 ppm | <10ppb | |
| trifloxystrobin 0.00 ppm | <10ppb | |

Pesticides (other)

| OHL02 | LOQ |
|------------------------------|--------|
| acephate 0.00 ppm | <10ppb |
| acetamiprid 0.00 ppm | <10ppb |
| aldicarb 0.00 ppm | <10ppb |
| azoxystrobin 0.00 ppm | <10ppb |
| boscalid 0.00 ppm | <10ppb |
| carbaryl 0.00 ppm | <10ppb |
| carbofuran 0.00 ppm | <10ppb |
| chlorantraniliprole 0.00 ppm | <10ppb |
| chlorpyrifos 0.00 ppm | <10ppb |
| clofentezine 0.00 ppm | <10ppb |
| cypermethrin 0.00 ppm | <10ppb |
| diazinon 0.00 ppm | <10ppb |
| dichlorvos 0.00 ppm | <10ppb |
| dimethoate 0.00 ppm | <10ppb |
| etofenprox 0.00 ppm | <10ppb |
| fenpyroximate 0.00 ppm | <10ppb |
| fipronil 0.00 ppm | <10ppb |
| flonicamid 0.00 ppm | <10ppb |
| fludioxonil 0.01 ppm | <10ppb |
| 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 |

Toxic Metals

| MT limit | OHL02 | LOQ |
|-----------------|---------|--------|
| arsenic 2 ppm | 0.0 ppm | <10ppb |
| cadmium 0.8 ppm | 0.0 ppm | <10ppb |
| lead 1.2 ppm | 0.0 ppm | <10ppb |
| mercury 0.4 ppm | 0.0 ppm | <10ppb |

Microbial

microbial not tested

| MT limit | OHL02 | LOQ |
|------------------------------|-------|---------|
| Aflatoxin B1,B2,G1,G2 20 ppb | 0 ppb | <20 ppb |
| Ochratoxin A 20 ppb | 0 ppb | <20 ppb |

Comments

Certified by:

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 Deputy Director
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 406-881-2019 rdb@stwlabs.com

Printed 8/20/2020 1:39 PM

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CTLA ID: 21985
 Date Received: 10/7/2020
 Sample Name: ORG BS MCT 900 Orange Formulation
 Lot Number: 200924E
 Customer:

| Analysis | Method | MDL Specification | Result | Units |
|------------------------------|-------------|-------------------|----------|-------|
| Rapid Complete Micro | | | | |
| Total Plate Count | USP <2021> | 100 Report | <100 | cfu/g |
| Total Coliforms | BAM CH.4 | 10 Report | <10 | cfu/g |
| <i>E. coli</i> | USP <2022> | Report | Negative | |
| <i>Salmonella</i> | USP <2022> | Report | Negative | |
| <i>Staphylococcus aureus</i> | USP <2022> | Report | Negative | |
| Rapid Yeast and Mold | AOAC 997.02 | 10 Report | <10 | cfu/g |

10/12/2020
DATE



Quality Manager

Specifications provided by the Customer. Results with an asterisk (*) denote Specifications should be reviewed by the Customer. This Certificate of Analysis represents data for the sample submitted and does not constitute a guarantee of quality for the entire product from which it was taken. These results are provided for the benefit of the Customer. MDL = Method Detection Limit.

CTLA ID: 22370
 Date Received: 10/19/2020
 Sample Name: ORG BS MCT Orange 900 Packaging
 Lot Number: 201013H
 Customer:

| Analysis | Method | MDL Specification | Result | Units |
|------------------------------|-------------|-------------------|----------|-------|
| Rapid Complete Micro | | | | |
| Total Plate Count | USP <2021> | 100 Report | <100 | cfu/g |
| Total Coliforms | BAM CH.4 | 10 Report | <10 | cfu/g |
| <i>E. coli</i> | USP <2022> | Report | Negative | |
| <i>Salmonella</i> | USP <2022> | Report | Negative | |
| <i>Staphylococcus aureus</i> | USP <2022> | Report | Negative | |
| Rapid Yeast and Mold | AOAC 997.02 | 10 Report | <10 | cfu/g |

10/22/2020
DATE



Quality Manager

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