



## CERTIFICATE OF ANALYSIS

**PRODUCT NAME:** Certified Organic CBD Tincture - Orange  
**PRODUCT STRENGTH:** 450 mg  
**FILL LOT NUMBER:** 201111A  
**TINCTURE BATCH** 201117H  
**BEST BY DATE:** 05/23/2022  
**HEMP EXTRACT LOT\*:** [B1019-001](#)

*\*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
<b>Potency - Total CBD</b>	SOP-111	450-562.5 mg CBD LOQ** : 10 PPM† (0.001%)	<b>470.7 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 Cadmium (Cd): ≤0.5 PPM Mercury (Hg): ≤1.0 PPM Lead (Pb): ≤0.5 PPM	<b>ND</b>	PASS

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

Quality Certified Kei Horikawa 12/04/2020  
 Kei Horikawa Date  
 Quality Control Manager



total cannabinoids	$\Delta^9$ -THC	THCa	total THC
<b>16 mg</b>	0.00 mg	0.00 mg	0.00 mg
per mL	CBD	CBDa	total CBD
	15.69 mg	0.00 mg	15.69 mg

Lot# 201111A

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 <b>8900</b>
lab ID <b>0LJ62</b>	sample date 11/12/2020
unit mL	unit weight <b>0.9 g</b>

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	terpenes not tested / not required						
$\Delta^9$ -tetrahydrocannabinol ( $\Delta^9$ THC)	0%	0.00 mg							
$\Delta^8$ -tetrahydrocannabinol ( $\Delta^8$ THC)	0%	0.00 mg							
tetrahydrocannabivarin (THCv)	0%	0.00 mg							
cannabidiolic acid (CBDA)	0%	0.00 mg							
cannabidiol (CBD)	1.66%	15.69 mg							
cannabidivarin (CBDv)	0%	0.00 mg							
cannabigerolic acid (CBGa)	0%	0.00 mg							
cannabigerol (CBG)	.03%	0.30 mg							
cannabinol (CBN)	.01%	0.14 mg							
cannabichromene (CBC)	0%	0.00 mg							

Solvents	MT limit	0LJ62	LOQ	Pesticides (MT)	MT limit	0LJ62	LOQ	Pesticides (other)	0LJ62	LOQ
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pesticides not tested / not required

not tested / not required

Toxic Metals	MT limit	0LJ62	LOQ
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metals not tested / not required

Microbial	MT limit	0LJ62	LOQ
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microbial not tested

Comments

Density = .9451g/mL

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@stwlabs.com



B1019-001

7USC1639 Certificate of Analysis

sample ID 24999
retention ID 24999

analysis : 10/22/2020 12:01:11 PM

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

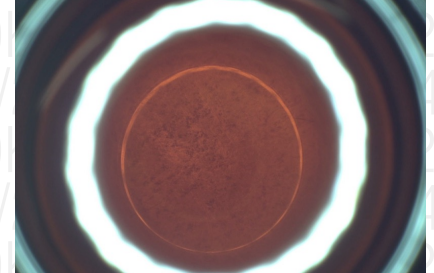
Stillwater Laboratories

certificate ID OKR44

total cannabinoids 484.4mg per 30 mL
THC‡ ND CBD‡ 471.3mg

order 8689
received 10/22/2020 12:01:11 PM
test tag
sample wgt 15.0 g

7USC1639 Infused



Inspection MSP-7.5.1.2

DESCRIPTION: Oil sample (15.00g) received in a client-labeled bottle, by commercial courier. Labeled 24999.

Potency per 30 mL

Table with columns for compound name, concentration, LOD, LOQ, and error (95%CI k=2). Rows include tetrahydrocannabinolic acid (THCa), Δ9-tetrahydrocannabinol (Δ9 THC), Δ8-tetrahydrocannabinol (Δ8 THC), tetrahydrocannabinavarin (THCv), cannabidiolic acid (CBDA), cannabidiol (CBD), cannabidivarin (CBDv), cannabigerolic acid (CBGa), cannabigerol (CBG), cannabinalol (CBN), and cannabichromene (CBC).

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

Large table with columns for Microbial, Metals, Pesticides, Solvents, and other categories. Each entry includes a test result (e.g., PASS) and a limit value.

SECURITY FEATURE: WATERMARK MUST MATCH CERTIFICATE ID AND ISSUE DATE

Certified by:

Signature of Justin M Johnston

Justin M Johnston
Deputy Director

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

Printed
10/27/2020 4:45 PM

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ISO/IEC 17025:2017



Certificate #4961.01

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

CTLA ID: 23719  
 Date Received: 11/24/2020  
 Sample Name: ORG BS MCT 450 Orange Packaging  
 Lot Number: 201117H  
 Customer:

Analysis	Method	MDL Specification	Result	Units
<b>Rapid Complete Micro</b>				
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

11/30/2020  
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.