



# CERTIFICATE OF ANALYSIS

**PRODUCT NAME:** Certified Organic Joy Organics CBD Tincture - Orange  
**PRODUCT STRENGTH:** 450 mg  
**FILL LOT NUMBER:** NA  
**TINCTURE BATCH** 21047A  
**BEST BY DATE:** 08/16/2022  
**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>471.3 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 03/01/2021  
 Kei Horikawa \_\_\_\_\_  
 Quality Control Manager Date



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)

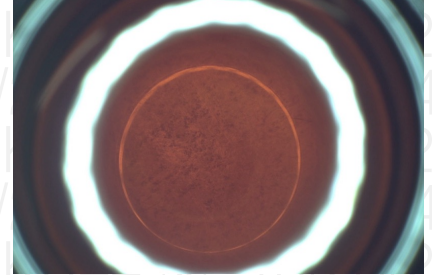
Stillwater Laboratories

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, amount, 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 testing categories. Each entry includes a 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



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



ISO/IEC 17025:2017  
ACCREDITED  
Certificate #4961.01

Stillwater Laboratories

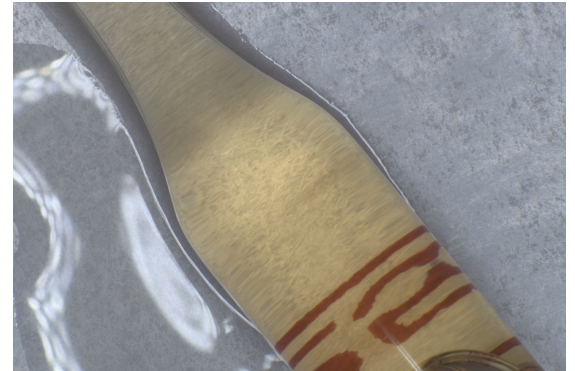
<https://portal.a2la.org/scopepdf/4961-01.pdf>

Lot#21047A

Sample Handling

test ID **9886.2** sample wt  
type tincture order **9886**  
lab ID **1BR22** sample date 2/19/2021  
unit unit weight

tincture



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	estimated error	Terpenes	%	estimated error	%	estimated error	%	estimated error
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not tested

terpenes  
not tested / not required

Solvents	MT limit	1BR22	LOQ	Pesticides (MT)	MT limit	1BR22	LOQ	Pesticides (other)	1BR22	LOQ
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pesticides  
not tested / not required

not tested /  
not required

Toxic Metals	MT limit	1BR22	LOQ
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metals  
not tested / not required

Microbial	MT limit	1BR22	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

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:

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