

# **CERTIFICATE OF ANALYSIS**

 PRODUCT NAME:
 Certified Organic CBD Tincture - Orange

 PRODUCT STRENGTH:
 1350 mg

 FILL LOT NUMBER:
 NA

 TINCTURE BATCH
 21034A

 BEST BY DATE:
 08/03/2022

HEMP EXTRACT LOT B1021-001

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

# Physical Atttributes

Test	Method	Specification	Results	
Color	SOP-100	Golden to Amber	PASS	
Odor	SOP-100	Characteristic - 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	1350-1687.5 mg CBD LOQ**: 10 PPM† (0.001%)	1428.5 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	Below LOQ	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

<sup>\* \*</sup>Level of Quantitation, † Parts Per Million

Quality Certified Kei Horikawa 02/09/2021

Kei Horikawa Date

Quality Control Manager



certificate ID

OKR48

### B1021-001

sample ID 25013 retention ID 25013

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

total cannabinoids

1460.2mg

per 30 mL

THC‡ ND CBD‡ 1428.5m

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

**7USC1639 Certificate of Analysis** 

Stillwater Laboratories

7USC1639 Infused



order 8689

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

test tag

sample wgt 15.0 g

Inspection MSP-7.5.1.2

DESCRIPTION: Oil sample (15.00g) received in a client-labeled bottle, by commercial courier. Labeled 25013.

Potency per 30 mL	MSP-7.5.1.4	LOD LOQ (95%Cl k=2)
tetrahydrocannabolic acid (THCa) Δ9-tetrahydrocannabinol (Δ9 THC) Δ8-tetrahydrocannabinol (Δ8 THC) tetrahydrocannabivarin (THCv) cannabidiolic acid (CBDa) cannabidiolic (CBD) cannabidivarin (CBDv) cannabigerolic acid (CBGa) cannabigerol (CBG) cannabinol (CBN) cannabichromene (CBC)	ND ND ND ND 1428.5mg 9.2mg ND 22.5mg ND	0.15   0.44   ±0.44mg 0.14   0.41   ±0.41mg 0.18   0.55   ±0.55mg 0.15   0.46   ±0.46mg 0.13   0.38   ±0.38mg 0.15   0.44   ±24.27mg 0.14   0.43   ±0.59mg 0.13   0.39   ±0.39mg 0.16   0.47   ±0.85mg 0.08   0.24   ±0.24mg 0.14   0.43   ±0.43mg

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

‡ = decarbed NT = not to	ested NL =	no limit, ND = no	ot detected, LOD = detection	on limit , LC	DQ = quantitati	ion limit					
Microbial	ISP-7.5.1.1	0 limit	Metals M	SP-7.5.1.1	1 limit	Pesticides	MSP-7.5.1.8	8 limit	Pesticides	MSP-7.5.1.	8 limit
			Arsenic	PASS	1500 ppb	Daminozide	PASS	0.0 ppm	Piperonylbutoxide	PASS	8.0 ppm
			Cadmium	PASS	500 ppb	Dichlorvos	PASS	0.0 ppm	Prallethrin	PASS	0.4 ppm
			Lead	PASS	500 ppb	Diazinon	PASS	0.2 ppm	Propiconazole	PASS	20.0 ppm
Ochratoxin A	PASS	20 ppb	Mercury	PASS	300 ppb	Dimethoate	PASS	0.0 ppm	Propoxur	PASS	0.0 ppm
Aflatoxin		/\ /\	K H 4 8 6			Etoxazole	PASS	1.5 ppm	Pyrethrin	PASS	1.0 ppm
						Fenoxycarb	PASS	0.0 ppm	Pyridaben	PASS	3.0 ppm
Solvents	SP-7.5.1.7	limit	Pesticides	ISP-7.5.1.	B limit	Fenpyroximate	PASS	2.0 ppm	Spinetoram	PASS	3.0 ppm
Acetone	PASS	5000 ppm	Abamectin	PASS	0.3 ppm	Fipronil	PASS	0.0 ppm	Spinosad	PASS	3.0 ppm
Acetonitrile	PASS	410 ppm	Acephate	PASS	5.0 ppm	Flonicamid	PASS	2.0 ppm	Spiromesifen	PASS	12.0 ppm
Benzene	PASS	0 ppm	Acequinocyl	PASS	4.0 ppm	Fludioxonil	PASS	30.0 ppm	Spirotetramat	PASS	13.0 ppm
Butane	PASS	5000 ppm	Acetamiprid		5.0 ppm	Hexythiazox	PASS	2.0 ppm	Spiroxamine	PASS	0.0 ppm
Chloroform	PASS	0 ppm	Aldicarb		0.0 ppm	Imazalil	PASS	0.0 ppm	Tebuconazole	PASS	2.0 ppm
Cyclohexane	PASS	0 ppm	Azoxystrobin	PASS	40.0 ppm	Imidacloprid	PASS	3.0 ppm	Thiacloprid	PASS	0.1 ppm
Ethanol	PASS	10000 ppm	Bifenazate	PASS	5.0 ppm	Malathion	PASS	5.0 ppm	Thiamethoxam	PASS	4.5 ppm
Heptane	PASS	5000 ppm	Bifenthrin	PASS	0.5 ppm	Metalaxyl	PASS	15.0 ppm	Trifloxystrobin	PASS	30.0 ppm
Hexane	PASS	290 ppm	Boscalid	PASS	10.0 ppm	Methiocarb	PASS	0.0 ppm			
Isopropyl alcohol	PASS	5000 ppm	Carbaryl	PASS	0.5 ppm	Methomyl	PASS	0.1 ppm			
Methanol	PASS	3000 ppm	Carbofuran	PASS	0.0 ppm	Methyl parathion	PASS	0.0 ppm	INSTRUMENTS		
Pentane	PASS	5000 ppm	Chloantraniliprole	PASS	40.0 ppm	Mevinphos	PASS	0.0 ppm	potency: HPLC (LC	2030C-UV	6/90
Propane	<b>PASS</b>	5000 ppm	Chlorfenapyr	PASS	0.0 ppm	Myclobutanil	PASS	9.0 ppm	terpenes: GCMS (Q		

SECURITY FEATURE: WATERMARK MUST MATCH CERTIFICATE ID AND ISSUE DATE

1.0 ppm

1.0 ppm

Certified by:

//20-//20-

Toluene PASS 890 ppm

2170 ppm

Xylenes PASS

Justin M Johnston
Deputy Director

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Chlorpyrifos PASS 0.0 ppm

Clofentezine PASS 0.5 ppm

Coumaphos PASS 0.0 ppm

Cyfluthrin PASS

Cypermethrin PASS

10/27/2020 4:45 PM

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0.2 ppm

0.0 ppm

20.0 ppm

0.2 ppm

Naled PASS 0.5 ppm

**PASS** 

PASS

PASS

Oxamyl

Phosmet PASS

Paclobutrazol

Permethrin





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

solvents: GCMS (QP2020/HS20) pesticides: LCMSMS (LC8060)

mycotoxins: LCMSMS (LC8060)

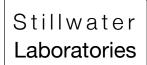
metals: ICPMS (ICPMS-2030)

microbial: qPCR (AriaMx) and plating









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

#### 21034A

### Sample Handling

test ID sample date 2/5/21 1:53 PM order 9752 labID 1BF51 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/Hardy		
solvents	MSP-7.5.1.6	QP2020/HS20		
metals	MSP-7.5.1.11	ICPMS2030		

tincture



Potency & estimated error Terpenes & estimated error & estimated error & estimated error & estimated error

potency not tested terpenes not tested / not required

Solvents MT limit 1BF51 LOQ Pesticides (MT) MT limit 1BF51 LOQ Pesticides (other) 1BF51 LOQ

pesticides not tested / not required not tested / not required

Toxic Metals MT limit 1BF51 LOG

metals not tested / not required

 Microbial
 MT limit
 1BF51
 LOQ

 E. coli
 10 CFU
 0 CFU
 <10 CFU/g</td>

 Salmonella sp.
 10 CFU
 0 CFU
 <10 CFU/g</td>

 molds
 10000 CFU
 0 CFU
 <10k CFU/g</td>

Comments

Certified by:

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<sup>•</sup> All testing was completed onsite at 6073 US93N, Olney MT • Potency (cannabinoid concentration) is calcuated from the equation: [cannabioid] = [cannabinoid]\_HPLC x volume\_dilution/Mdy. Terpene concentration is calcuated from the equation: [terpene] = (terpene mass)\_GCMS / mdy. •• Decarboxyted cannabinoid concentration is calculated from the equation XXX\_total = 0.877 x XXXa + 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  $s_{\rm g}^2 = \sum (\partial f/\partial i)^2 s_{\rm l}^2$  where i is the contributor to error. The 95% confidence range is calculated from the equation: (concentration)  $\pm$  to the total contributor of the standard standard from the equation: (concentration)