# **CERTIFICATE OF ANALYSIS**

**PRODUCT NAME:** Certified Organic CBD Tincture - Natural

PRODUCT STRENGTH: 1350 mg

FILL LOT: B1014-003

 TINCTURE BATCH:
 20364A

 BEST BY DATE:
 06/29/2022

HEMP EXTRACT LOT NA

## \*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 - Olive and hemp	PASS	
Appearance	SOP-100	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%)	1362.8 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		

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

Quality Certified Kei Horikawa 01/05/2021

Kei Horikawa Date

Quality Control Manager



certificate ID **0KR42** 

#### B1014-003

sample ID 24964 retention ID 24964

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

total cannabinoids

1390.6mg

per 30 mL

THC‡

CBD‡ 1362.8m

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

**7USC1639 Certificate of Analysis** 

Stillwater Laboratories

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 24964.

7USC1639 Infused

Potency per 30 mL	MSP-7.5.1.4	LOD	LOQ	error (95%Cl k=2)
tetrahydrocannabolic acid (THCa)	ND/	0.16	10.49	I ±0.49mg
Δ9-tetrahydrocannabinol (Δ9 THC	) ND	0.15	10.46	I ±0.46mg
Δ8-tetrahydrocannabinol (Δ8 THC		0.21	10.62	1 ±0.62mg
tetrahydrocannabivarin (THCv)	ND	0.17	10.51	l ±0.51mg
cannabidiolic acid (CBDa)	ND	0.14	10.42	I ±0.42mg
cannabidiol (CBD)	1362.8mg	0.161	0.48	±23.33mg
cannabidivarin (CBDv)	5.6mg	0.16	10.48	I ±0.58mg
cannabigerolic acid (CBGa)	ND	0.14	10.43	I ±0.43mg
cannabigerol (CBG)	22.2mg	0.17	10.52	1 ±0.90mg
cannabinol (CBN)	ND	0.09	10.26	I ±0.26mg
cannabichromené (CBC)	ND-	0.16	10.48	I ±0.48mg

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

Microbial	ISP-7.5.1.	10 limit	Metals N	ISP-7.5.1.1	11 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		/ * */ \				Etoxazole	PASS	1.5 ppm	Pyrethrin	PASS	1.0 ppm
						Fenoxycarb	PASS	0.0 ppm	Pyridaben	PASS	3.0 ppm
Solvents N	ISP-7.5.1.7	7 limit	Pesticides	/ISP-7.5.1.	8 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			Hexythiazox	PASS	2.0 ppm	Spiroxamine	PASS	0.0 ppm
Chloroform	PASS	0 ppm	Aldicarb	PASS	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	32/9(
Propane	<b>PASS</b>	5000 ppm	Chlorfenapyr	PASS	0.0 ppm	Myclobutanil		9.0 ppm	terpenes: GCMS (C		
Toluene	PASS	890 ppm	Chlorpyrifos	PASS	0.0 ppm	Naled		0.5 ppm	solvents: GCMS (Q		
									nacticidae I CMCM		

SECURITY FEATURE: WATERMARK MUST MATCH CERTIFICATE ID AND ISSUE DATE

1.0 ppm

1.0 ppm

Certified by

2170 ppm

Xylenes PASS

Justin M Johnston Deputy Director

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

Clofentezine PASS 0.5 ppm

Coumaphos PASS 0.0 ppm

Cyfluthrin PASS

Cypermethrin PASS

10/27/2020 4:45 PM

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Oxamyl

Phosmet PASS

Paclobutrazol

Permethrin

**PASS** 

**PASS** 

PASS



0.2 ppm

0.0 ppm

20.0 ppm

0.2 ppm





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

#### 20364A

Sample Handling test ID

sample wt order 9367 sample date 1/2/2021

unit unit weight

Methods

type lab ID 1AB10

> 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 MSP-7.5.1.8 mvcotoxins LC-8060 MSP-7.5.1.1 AriaMx/Hardy microbial solvents MSP-7.5.1.6 QP2020/HS20 MSP-7.5.1.1 ICPMS2030 metals

Potency

per

estimated

Terpenes

estimated

estimated

estimated error

not tested

terpenes not tested / not required

Solvents

MT limit

1AB10

LOQ

Pesticides (MT)

MT limit

1AB10

LOQ

Pesticides (other)

1AB10

LOQ

pesticides not tested / not required

not tested / not required

Toxic Metals

LOQ

metals not tested / not required

Microbial MT limit 1AB10 LOQ 0 CFU E. coli 10 CFU <10 CFU/g 0 CFU Salmonella sp. 10 CFU <10 CFU/g molds 10000 CFU 0 CFU <10k CFU/q

Comments

• All testing was completed onsite at 6073 US93N, Olney MT • Potency (cannabinoid concentration) is calcuated from the equation: [cannabioid] = [cannabinoid]\_{HPLC} x volume\_dilution/ $m_{dry}$ . Terpene concentration is calcuated from the equation: [terpene] = (terpene mass)\_{GCMS} /  $m_{dry}$ . ••• Decarboxyted cannabinoid concentration is calculated from the equation XXX/cola| = 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  $s_g^2$  =  $\sum (\partial f/\partial i)^2 s_i^2$  where i is the contributor to error. The 95% confidence range is calculated from the equation: (concentration)  $\pm$  t<sub>CL90</sub> x s<sub>g</sub>. Sampling error is not

Certified by:

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