

CERTIFICATE OF ANALYSIS

PRODUCT NAME:

Certified Organic Joy Organics CBD Tincture - Mint

900mg

FILL LOT NUMBER:

NA

TINCTURE BATCH:

BEST BY DATE:

07/27/2022

HEMP EXTRACT LOT*:

B1014-002

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, minty	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%)	925.1 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

02/09/2021

ikei Holikawa

Quality Control Manager

Date



certificate ID **0KR40**

B1014-002

sample ID 25012 retention ID 25012

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

total cannabinoids

952.5mg

per 30 mL

THC‡

CBD‡ 925.1mg

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 25012.

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 925.1mg 4.9mg ND 22.4mg ND	0.20 0.59 ±0.59mg 0.18 0.55 ±0.55mg 0.25 0.74 ±0.74mg 0.21 0.62 ±0.62mg 0.17 0.51 ±0.51mg 0.19 0.58 ±16.28mg 0.19 0.58 ±0.67mg 0.17 0.52 ±0.52mg 0.21 0.63 ±1.01mg 0.11 0.32 ±0.32mg 0.19 0.58 ±0.58mg

5000 ppm

890 ppm

2170 ppm

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

Microbial MSP-7.5.1.10	limit	Metals	SP-7.5.1.1	1 limit	Pesticides	MSP-7.5.1.8	3 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
1 \ / '- 1 : 2 : 1 / \ - / -	20 ppb	KRAN (X			Etoxazole	PASS	1.5 ppm	Pyrethrin	PASS	1.0 ppm
0/20/2020					Fenoxycarb	PASS	0.0 ppm	Pyridaben	PASS	3.0 ppm
Solvents MSP-7.5.1.7	limit	Pesticides	ISP-7.5.1.8	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		5.0 ppm	Flonicamid	PASS	2.0 ppm	Spiromesifen	PASS	12.0 ppm
Benzene PASS	0 ppm	Acequinocyl		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	PASS	0.0 ppm	lmazalil	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			
	3000 ppm	Carbofuran		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 (LC2030C-UV)		12/90

Cypermethrin PASS SECURITY FEATURE: WATERMARK MUST MATCH CERTIFICATE ID AND ISSUE DATE

0.0 ppm

0.0 ppm

0.5 ppm

0.0 ppm

1.0 ppm

1.0 ppm

Certified by

Propane PASS

Toluene PASS

Xylenes PASS

Justin M Johnston Deputy Director

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Chlorfenapyr PASS

Chlorpyrifos PASS

Clofentezine PASS

Coumaphos PASS

Cyfluthrin PASS

10/27/2020 4:45 PM

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9.0 ppm

0.5 ppm

0.2 ppm

0.0 ppm

0.2 ppm

20.0 ppm

Myclobutanil PASS

Phosmet PASS

PASS

PASS

PASS

PASS

Naled

Oxamyl

Paclobutrazol

Permethrin





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

terpenes: GCMS (QP2020/HS20)

solvents: GCMS (QP2020/HS20)

pesticides: LCMSMS (LC8060)

metals: ICPMS (ICPMS-2030)

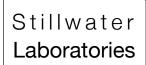
mycotoxins: LCMSMS (LC8060)

microbial: qPCR (AriaMx) and plating









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

21027A

Sample Handling

test ID sample date 2/5/21 1:53 PM order 9752 labID 1BF49 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 1BF49 LOQ Pesticides (MT) MT limit 1BF49 LOQ Pesticides (other) 1BF49 LOQ

pesticides not tested / not required not tested / not required

Toxic Metals MT limit 1BF49 LOG

metals not tested / not required

 Microbial
 MT limit
 1BF49
 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:

Justin M Johnston Deputy Director 6073 US93N, Olney MT 59927 406-881-2019 rdb@stwlabs.com

Printed 2/8/2021 4:01 PM

[•] 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)