



CERTIFICATE OF ANALYSIS

PRODUCT NAME: Certified Organic Joy Organics CBD Tincture - Lemon
PRODUCT STRENGTH: 1350 mg
FILL LOT NUMBER: NA
TINCTURE BATCH: 21068A
BEST BY DATE: 09/08/2022
HEMP EXTRACT LOT *: **B1021-001**

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	Characteristic -coconut and hemp, lemon	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	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 03/19/2021
 Kei Horikawa Date
 Quality Control Manager



B1021-001

sample ID 25013
retention ID 25013

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

7USC1639 Certificate of Analysis

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

Stillwater
Laboratories

certificate ID
OKR48

total
cannabinoids **1460.2mg** per 30 mL
THC‡ ND CBD‡ 1428.5m

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	error (95%CI k=2)
tetrahydrocannabinolic acid (THCa)	ND	0.15	0.44	±0.44mg
Δ9-tetrahydrocannabinol (Δ9 THC)	ND	0.14	0.41	±0.41mg
Δ8-tetrahydrocannabinol (Δ8 THC)	ND	0.18	0.55	±0.55mg
tetrahydrocannabivarin (THCv)	ND	0.15	0.46	±0.46mg
cannabidiolic acid (CBDa)	ND	0.13	0.38	±0.38mg
cannabidiol (CBD)	1428.5mg	0.15	0.44	±24.27mg
cannabivarin (CBDv)	9.2mg	0.14	0.43	±0.59mg
cannabigerolic acid (CBGa)	ND	0.13	0.39	±0.39mg
cannabigerol (CBG)	22.5mg	0.16	0.47	±0.85mg
cannabinol (CBN)	ND	0.08	0.24	±0.24mg
cannabichromene (CBC)	ND	0.14	0.43	±0.43mg

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

Microbial	MSP-7.5.1.10	limit	Metals	MSP-7.5.1.11	limit	Pesticides	MSP-7.5.1.8	limit	Pesticides	MSP-7.5.1.8	limit
Ochratoxin A	PASS	20 ppb	Arsenic	PASS	1500 ppb	Daminozide	PASS	0.0 ppm	Piperonylbutoxide	PASS	8.0 ppm
Aflatoxin	PASS	20 ppb	Cadmium	PASS	500 ppb	Dichlorvos	PASS	0.0 ppm	Prallethrin	PASS	0.4 ppm
Solvents	MSP-7.5.1.7	limit	Lead	PASS	500 ppb	Diazinon	PASS	0.2 ppm	Propiconazole	PASS	20.0 ppm
Acetone	PASS	5000 ppm	Mercury	PASS	300 ppb	Dimethoate	PASS	0.0 ppm	Propoxur	PASS	0.0 ppm
Acetonitrile	PASS	410 ppm				Etoxazole	PASS	1.5 ppm	Pyrethrin	PASS	1.0 ppm
Benzene	PASS	0 ppm	Pesticides	MSP-7.5.1.8	limit	Fenoxycarb	PASS	0.0 ppm	Pyridaben	PASS	3.0 ppm
Butane	PASS	5000 ppm	Abamectin	PASS	0.3 ppm	Fenpyroximate	PASS	2.0 ppm	Spinetoram	PASS	3.0 ppm
Chloroform	PASS	0 ppm	Acephate	PASS	5.0 ppm	Fipronil	PASS	0.0 ppm	Spinosad	PASS	3.0 ppm
Cyclohexane	PASS	0 ppm	Acequinocyl	PASS	4.0 ppm	Fonicamid	PASS	2.0 ppm	Spiromesifen	PASS	12.0 ppm
Ethanol	PASS	10000 ppm	Acetamiprid	PASS	5.0 ppm	Fludioxonil	PASS	30.0 ppm	Spirotetramat	PASS	13.0 ppm
Heptane	PASS	5000 ppm	Aldicarb	PASS	0.0 ppm	Hexythiazox	PASS	2.0 ppm	Spiroxamine	PASS	0.0 ppm
Hexane	PASS	290 ppm	Azoxystrobin	PASS	40.0 ppm	Imazalil	PASS	0.0 ppm	Tebuconazole	PASS	2.0 ppm
Isopropyl alcohol	PASS	5000 ppm	Bifenazate	PASS	5.0 ppm	Imidacloprid	PASS	3.0 ppm	Thiacloprid	PASS	0.1 ppm
Methanol	PASS	3000 ppm	Bifenthrin	PASS	0.5 ppm	Malathion	PASS	5.0 ppm	Thiamethoxam	PASS	4.5 ppm
Pentane	PASS	5000 ppm	Boscalid	PASS	10.0 ppm	Metalaxyl	PASS	15.0 ppm	Trifloxystrobin	PASS	30.0 ppm
Propane	PASS	5000 ppm	Carbaryl	PASS	0.5 ppm	Methiocarb	PASS	0.0 ppm			
Toluene	PASS	890 ppm	Carbofuran	PASS	0.0 ppm	Methomyl	PASS	0.1 ppm			
Xylenes	PASS	2170 ppm	Chloanthraniliprole	PASS	40.0 ppm	Methyl parathion	PASS	0.0 ppm			
			Chlorfenapyr	PASS	0.0 ppm	Mevinphos	PASS	0.0 ppm			
			Chlorpyrifos	PASS	0.0 ppm	Myclobutanil	PASS	9.0 ppm			
			Clofentezine	PASS	0.5 ppm	Naled	PASS	0.5 ppm			
			Coumaphos	PASS	0.0 ppm	Oxamyl	PASS	0.2 ppm			
			Cyfluthrin	PASS	1.0 ppm	Paclobutrazol	PASS	0.0 ppm			
			Cypermethrin	PASS	1.0 ppm	Permethrin	PASS	20.0 ppm			
						Phosmet	PASS	0.2 ppm			

INSTRUMENTS
potency: HPLC (LC2030C-UV)
terpenes: GCMS (QP2020/HS20)
solvents: GCMS (QP2020/HS20)
pesticides: LCMSMS (LC8060)
mycotoxins: LCMSMS (LC8060)
microbial: qPCR (AriaMx) and plating
metals: ICPMS (ICPMS-2030)

SECURITY FEATURE: WATERMARK MUST MATCH CERTIFICATE ID AND ISSUE DATE

Certified by:

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

The data in this report is the property of and is administered by Stillwater Labs. The format, layout, and security features of this report are copyrighted by Stillwater Laboratories Inc. © 2020



ISO/IEC 17025:2017



Certificate #4961.01

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

OTL1350



Lot# 21068A

Certificate of Analysis



ISO/IEC 17025:2017



Certificate #4961 01

Stillwater Laboratories

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

Sample Handling

test ID 10068.1 sample date 3/11/21 11:49 AM
order 10068 labID 1CJ69 weight
source 1Z435FV90292174675

Methods

Table with 3 columns: method, equipment. Lists methods for weights, potency, terpenes, pesticides, mycotoxins, microbial, solvents, and metals.

tincture



Table for Potency and Terpenes. Columns include % and estimated error. Notes: 'potency not tested', 'terpenes not tested / not required'.

Main results table with columns: Solvents, Pesticides (MT), Pesticides (other), Microbial, Toxic Metals. Lists various substances and their concentrations.

All testing was completed onsite at 6073 US93N, Olney MT. Potency (cannabinoid concentration) is calculated from the equation: [cannabinoid] = [cannabinoid]sp-LC x volume_dilution / mDry...

Certified by:

Handwritten signature of Kyle Larson

Kyle Larson, MSc (Biology)
Deputy Director
6073 US93N, Olney MT 59927
406-881-2019 rdb@stlilabs.com

Printed 3/12/2021 2:25 PM