

CERTIFICATE OF ANALYSIS

PRODUCT NAME: Certified Organic Joy Organics CBD Tincture - Orange

 PRODUCT STRENGTH:
 450 mg

 FILL LOT NUMBER:
 B10119-001

 TINCTURE BATCH
 21105A

BEST BY DATE: 10/15/2022

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	Coconut and hemp, orange	PASS
Appearance	SOP-100	Golden to Amber oil in brown glass bottle with dropper	PASS
Primary Package Eval.	ackage Eval. SOP-132 Container clean and free of filth. Container caps tight and shrink bands intact		PASS
I Secondary Package Eval I SOP-137		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	450-562.5 mg CBD LOQ**: 10 PPM† (0.001%)	471.3 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		Arsenic (As): ≤1.5 PPM Cadmium (Cd): ≤0.5 PPM Mercury (Hg): ≤1.0 PPM Lead (Pb): ≤0.5 PPM		PASS

^{* *}Level of Quantitation, † Parts Per Million

Quality Certified

Kei Horikawa
Kei Horikawa

04/23/2021

Date

Quality Control Manager



B1019-001

7USC1639 Certificate of Analysis

sample ID 24999

total cannabinoids

THC‡

30 mL

CBD‡ 471.3mg terpenes This Product Has Been **Tested and Complies** with 7USC1639o(1)

MSP-7.5.1.6

Stillwater Laboratories

MSP-7.5.1.6

limit

0.00 ppm

2.00 ppm

0.00 ppm

3.00 ppm

5.00 ppm

0.00 ppm 0.10 ppm

0.00 ppm

0.00 ppm 9.00 ppm

0.50 ppm

0.20 ppm 0.00 ppm

20.00

15.00

30.00 2.00 ppm

order 8689

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

sample wgt

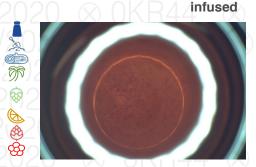
0KR44

Inspection MSP-7.5.1.2

DESCRIPTION: Oil sample received in a client-labeled bottle, by commercial courier. Labeled 24999.

caryophyllene humulene terpinolene ocimene beta pinene alpha pinene limonene myrcene linalool

Terpenes



error (95%Cl k=2) Potency per 30 mL MSP-7.5.1.4 LOQ total CBD‡ 471.3mg 0.06 | 0.19 | ±8.08mg 471.3mg total CBD (CBD+CBDa) 0.06 | 0.19 | ±8.08mg tetrahydrocannabolic acid (THCa) ND 0.06 | 0.19 | ±0.19mg Δ9-tetrahydrocannabinol (Δ9 THC) ND 0.06 | 0.18 | ±0.18mg Δ8-tetrahydrocannabinol (Δ8 THC) 0.08 | 0.24 | ±0.24mg ND tetrahydrocannabivarin (THCv) ND 0.07 | 0.20 | ±0.20mg ND cannabidiolic acid (CBDa) 0.06 | 0.17 | ±0.17mg 471.3mg 0.06 | 0.19 | ±8.08mg cannabidiol (CBD) cannabidivarin (CBDv) 2.5mg 0.06 | 0.19 | ±0.23mg 0.06 | 0.17 | ±0.17mg ND cannabigerolic acid (CBGa) cannabigerol (CBG) 10.6mg 0.02 | 0.05 | ±0.23mg cannabinol (CBN) ND 0.03 | 0.10 | ±0.10mg

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

cannabichromene		ND 0.06 0.19 ±0.19mg			‡ = decarbed NT = not tested NL = no limit, ND = not detected, LOD = detectio LOQ = quantitation limit						
Microbial / Ms	SP-7.5.1.	10 limit	Metals	ISP-7.5.1.1	1 limit	Pesticides	MSP-7.5.1.8	limit	Pesticides	MSP-7.5.1.	8
E.coli	PASS	0CFU	Arsenic	PASS	1500 ppb	Abamectin	PASS	0.30 ppm	Fipronil	PASS	0.
Salmonella sp.	PASS	0CFU	Cadmium	PASS	500 ppb	Acephate	PASS	5.00 ppm	Flonicamid	PASS	2.0
molds	PASS	10000CFU	Lead	PASS	500 ppb	Acequinocyl	PASS	4.00 ppm	Fludioxonil	PASS	30
Ochratoxin A	NA	20 ppb	Mercury	PASS	300 ppb	Acetamiprid	PASS	5.00 ppm	Hexythiazox	PASS	2.7
Aflatoxin	PASS	20 ppb				Aldicarb	PASS	0.00 ppm	lmazalil	PASS	0.0
						Azoxystrobin	PASS	40.00	Imidacloprid	PASS	3.0
Solvents	SP-7.5.1.7	7 limit	Pesticides	/ISP-7.5.1.	8 limit	Bifenazate	PASS	5.00 ppm	Malathion	PASS	5.0
Acetone	PASS	5000 ppm	Permethrin	PASS	20.00 ppm	Bifenthrin	PASS	0.50 ppm	Metalaxyl	PASS	15
Acetonitrile	PASS	410 ppm	Phosmet	PASS	0.20 ppm	Boscalid	PASS	10.00	Methiocarb	PASS	6.0
Benzene	PASS	0 ppm	Piperonylbutoxide	PASS	8.00 ppm	Carbaryl		0.50 ppm	Methomyl		0.
Butane	PASS	5000 ppm	Prallethrin	PASS	0.40 ppm	Carbofuran		0.00 ppm	Methyl parathion	PASS	0.0
Chloroform	PASS	0 ppm	Propiconazole	PASS	20.00 ppm	Chloantraniliprole		40.00	Mevinphos	PASS	0.0
Cyclohexane	PASS	0 ppm	Propoxur	PASS	0.00 ppm	Chlorfenapyr		0.00 ppm	Myclobutanil	PASS	9.0
Ethanol	PASS	10000 ppm	Pyrethrin	PASS	1.00 ppm	Chlorpyrifos		0.00 ppm	Naled	PASS	0.
Heptane	PASS	5000 ppm	Pyridaben	PASS	3.00 ppm	Clofentezine		0.50 ppm	Oxamyl	PASS	0.
Hexane	PASS	290 ppm	Spinetoram	PASS	3.00 ppm	Coumaphos		0.00 ppm	Paclobutrazol	PASS	0.0
Isopropyl alcohol	PASS	5000 ppm	Spinosad	PASS	3.00 ppm	Cyfluthrin		1.00 ppm	Permethrin	PASS	20
Methanol	PASS	3000 ppm	Spiromesifen	PASS	12.00 ppm	Cypermethrin		1.00 ppm	INSTRUMENTS		
Pentane	PASS	5000 ppm	Spirotetramat		13.00 ppm	Daminozide		0.00 ppm	potency: HPLC (LC	2030C-UV)
Propane	PASS	5000 ppm	Spiroxamine	PASS	0.00 ppm	Dichlorvos		0.00 ppm	terpenes: GCMS (C		
Toluene	PASS	890 ppm	Tebuconazole	PASS	2.00 ppm	Diazinon		0.20 ppm	solvents: GCMS (Q		
Xylenes	PASS	2170 ppm	Thiacloprid		0.10 ppm	Dimethoate	PASS	0.00 ppm	pesticides: LCMSM mycotoxins: LCMSM		
			Thiamethoxam		4.50 ppm	Etoxazole		1.50 ppm	microbial: qPCR (A		
			Trifloxystrobin	PASS	30.00 ppm	Fenoxycarb		0.00 ppm	metals: ICPMS (ICF		p rocti
						Fenpyroximate	PASS	2.00 ppm		TT	

SECURITY FEATURE: WATERMARK MUST MATCH CERTIFICATE ID AND ISSUE DATE

Certified by

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

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and plating

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

Justin M Johnston

Deputy Director

certificate ID

1DR36

0T0450-21105A

7USC1639 Certificate of Analysis



rec'd 4/20/2021 12:25:02 PM

per

order 10519

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



per

Microbial	MSP-7.5.1.10	limit	LOD	LOQ	error	result
E.coli Salmonella sp. molds	ND ND ND	0CFU 0CFU 10000CFU	0.	0 0.1	±0.1CFU ±0.1CFU ±5.6CFU	PASS PASS PASS

Certified by:

Kyle Larson, MSc Deputy Director histor faces

Jacob Harris QA Manager PFC

ISO/IEC 17025:2017

ACCREDITED

Certificate #4961.01

SECURITY FEATURE: WATERMARK MUST MATCH CERTIFICATE ID AND ISSUE DATE

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

Stillwater Laboratories Inc. MT License L0001, L00007 6073 US93N Suite 5, Olney MT 59927 406-881-2019 INSTRUMENTS: Potency by HPLC (LC2030C-UV), solvents and terpenes by GCMS (QP2020/HS20), pesticides and mycotoxins by LCMSMS (LC8060), microbial by qPCR (AriaMx) and plating (Hardy Diagnostics), metals by ICPMS (ICPMS-2030)

• All testing was completed onsite at 6073 US93N, Olney MT • Potency (cannabinoid concentration) is calcuated as: [cannabioid] = [cannabinoid]_{HPLC} x volume_dilution/Imagy. ••• Decarboxyted cannabinoid concentration is calculated 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; LOD is the limit of detection (3.3s), LOQ is the limit of quantification (3xLOD), and experimental error is calculated from weighing, dilution, and interpolation error using the formula $s_g^2 = \sum (\partial i/\partial i)^2 s_i^2$ where i is the contributor to error. The 95% confidence range is calculated from: (concentration) \pm tc_Logo x s_g . Sampling error is not considered in error calculations. ND = not detected (< LOD), NT = not tested, NL = no limit, NA = not applicable. \pm = decarbed

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