CERTIFICATE OF ANALYSIS

PRODUCT NAME: Certified Organic CBD Tincture - Natural

 PRODUCT STRENGTH:
 1350 mg

 FILL LOT:
 C0211-001

TINCTURE BATCH: 21104A

BEST BY DATE: 10/14/2022

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		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%)	1433.2 mg	PASS	
Potency - D9-THC SOP-1		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 LOC		PASS	
Microbial - Salmonella	Aicrobial - Salmonella SOP-111 Complies with US		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 04/22/2021

Kei Horikawa Date

Quality Control Manager



certificate ID

1BK55

C0211-001

sample ID 25880

7USC1639 Certificate of Analysis

total cannabinoids 1511.3mg

per 30mL

CBD total 1433.2m THC total

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

2:00 ppm

0.00 ppm

3.00 ppm 5.00 ppm

30.00

15.00

order 9818

analysis date 2/12/2021 12:15:22 PM

test tag 9818.2

sample wgt

Inspection MSP-7.5.1.2

DESCRIPTION: Oil sample received in a client-labeled bottle, by commercial courier. Labeled 25880 and sample tag 9818.2.

caryophyllene humulene terpinolene ocimene beta pinene alpha pinene limonene myrcene

linalool

(83)

Terpenes



error (95%Cl k=2) Potency per 30mL MSP-7.5.1.4 LOD LOQ ND 0.07 | 0.22 | ±0.22mg tetrahydrocannabolic acid (THCa) Δ9-tetrahydrocannabinol (Δ9 THĆ) ND 0.07 | 0.20 | ±0.20mg Δ8-tetrahydrocannabinol (Δ8 THC) ND 0.09 | 0.27 | ±0.27mg tetrahydrocannabivarin (THCv) ND 0.08 | 0.23 | ±0.23mg ND cannabidiolic acid (CBDa) 0.06 | 0.19 | ±0.19mg cannabidiol (CBD) 1433.2mg 0.07 | 0.22 | ±24.36mg 0.07 | 0.21 | ±0.27mg cannabidivarin (CBDv) 3.3mg 0.06 | 0.19 | ±0.19mg NĎ cannabigerolic acid (CBGa) cannabigerol (CBG) 74.8mg 0.04 | 0.12 | ±1.38mg NĎ 0.04 | 0.12 | ±0.12mg cannabinol (CBN) 0.07 | 0.21 | ±0.21mg cannabichromene (CBC) ND

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

Mic	crobial M	ISP-7.5.1.1	10 limit	Metals	SP-7.5.1.1	1 limit	Pesticides	MSP-7.5.1.	3 limit	Pesticides M
	E.coli	PASS	0CFU	Arsenic	PASS	1500 ppb	Abamectin	PASS	0.30 ppm	Fipronil
	Salmonella sp.	PASS	0CFU	Cadmium	PASS	500 ppb	Acephate	PASS	5.00 ppm	Flonicamid
	molds	PASS	10000CFU	Lead	PASS	500 ppb	Acequinocyl	PASS	4.00 ppm	Fludioxonil
	Ochratoxin A	PASS	20 ppb	Mercury	PASS	300 ppb	Acetamiprid	PASS	5.00 ppm	Hexythiazox
	Aflatoxin		20 ppb	IKK55			Aldicarb	PASS	0.00 ppm	lmazalil
-/	17 - 2 -						Azoxystrobin	PASS	40.00	Imidacloprid
So	lvents M	ISP-7.5.1.7	limit	Pesticides	ISP-7.5.1.	8 limit	Bifenazate	PASS	5:00 ppm	Malathion
	Acetone	PASS	5000 ppm	Permethrin	PASS	20.00 ppm	Bifenthrin	PASS	0.50 ppm	Metalaxyl
	Acetonitrile		410 ppm	Phosmet		0.20 ppm	Boscalid	PASS	10.00	Methiocarb
	Benzene	PASS	0 ppm	Piperonylbutoxide	PASS	8.00 ppm	Carbaryl	PASS	0.50 ppm	Methomyl
	Butane	PASS	5000 ppm	Prallethrin	PASS	0.40 ppm	Carbofuran	PASS	0.00 ppm	Methyl parathion
	Chloroform	PASS	0 ppm	Propiconazole	PASS	20.00 ppm	Chloantraniliprole	PASS	40.00	Mevinphos
	Cyclohexane	PASS	0 ppm	Propoxur	PASS	0.00 ppm	Chlorfenapyr	PASS	0.00 ppm	Myclobutanil
	Ethanol	PASS	10000 ppm	Pyrethrin	PASS	1.00 ppm	Chlorpyrifos	PASS	0.00 ppm	Naled
	Heptane	PASS	5000 ppm	Pyridaben	PASS	3.00 ppm	Clofentezine	PASS	0.50 ppm	Oxamyl
	Hexane	PASS	290 ppm	Spinetoram	PASS	3.00 ppm	Coumaphos	PASS	0.00 ppm	Paclobutrazol
Is	opropyl alcohol	PASS	5000 ppm	Spinosad	PASS	3.00 ppm	Cyfluthrin	PASS	1.00 ppm	Permethrin
	Methanol	PASS	3000 ppm	Spiromesifen	PASS	12.00 ppm	Cypermethrin	PASS	1.00 ppm	INSTRUMENTS
	Pentane	PASS	5000 ppm	Spirotetramat	PASS	13.00 ppm	Daminozide	PASS	0.00 ppm	potency: HPLC (LC2
	Propane	PASS	5000 ppm	Spiroxamine	PASS	0.00 ppm	Dichlorvos	PASS	0.00 ppm	terpenes: GCMS (QP
	Toluene	PASS	890 ppm	Tebuconazole	PASS	2.00 ppm	Diazinon	PASS	0.20 ppm	solvents: GCMS (QP:
	Xylenes	PASS	2170 ppm	Thiacloprid	PASS	0.10 ppm	Dimethoate	PASS	0.00 ppm	pesticides: LCMSMS
				Thiamethoxam	PASS	4.50 ppm	Etoxazole	PASS	1.50 ppm	mycotoxins: LCMSMS microbial: gPCR (Ari
				Trifloxystrobin	PASS	30.00 ppm	Fenoxycarb	PASS	0.00 ppm	metals: ICPMS (ICPN

0.000 ppm **PASS** 0.10 ppm **PASS** yΙ n **PASS** 0.00 ppm **PASS** 0.00 ppm าร 9.00 ppm **PASS** ۱i۱ **PASS** 0.50 ppm 0.20 ppm **PASS** yΙ ol **PASS** 0.00 ppm **PASS** 20.00

MSP-7.5.1.8

PASS

PASS

PASS

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PASS

(LC2030C-UV) (QP2020/HS20) (QP2020/HS20) SMS (LC8060) MSMS (LC8060) (AriaMx) and plating metals: ICPMS (ICPMS-2030)

SECURITY FEATURE: WATERMARK MUST MATCH CERTIFICATE ID AND ISSUE DATE

Certified

Kyle Larson, MSc (Biology) Deputy Director

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

3/2/2021 2:45 PM

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Fenpyroximate PASS



2.00 ppm





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

certificate ID

OTNAT 1350

Lot# 21104A rec'd 4/19/2021 12:17:21 PM

order 10510

R Certificate of Analysis

LOD

LOQ

error

result

Stillwater Laboratories



Microbia	al /	MSP-7.5.1	.10 limit	LOD L	.OQ er	rror	result
E.col Salm mold	onella sp.	ND ND ND	NL NL NL	0.01	0.1 ±0. 0.1 ±0. 5.5 ±5.	1CFU	NA NA NA
	atoxin A oxin B1B2G1G2	ND ND	NL NL		0.8 l ±0. 0.8 l ±0.		NA NA

SECURITY FEATURE: WATERMARK MUST MATCH CERTIFICATE ID AND ISSUE DATE

Pesticides

MSP-7.5.1.8

Certified by:

Kyle Larson, MSc

Deputy Director

Metals

Jack Hacuis

Jacob Harris QA Manager

MSP-7.5.1

ASA PFC Laboratory

LOD

ISO/IEC 17025:2017

ACCREDITED

Certificate #4961.01

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/Imary. •••• 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 stardestimate of error method; LOD is the limit of detection (3.3s_i), LOQ is the limit of quantification (3xLOD), and experimental error is calculated from weighing, dilution, and interpolation error using the formula $s_0^2 = \sum (\partial i/\partial i)^2 s_i^2$ where i is the contributor to error. The 95% confidence range is calculated from: (concentration) \pm tc_1s_0 x s_g. Sampling error is not considered in error calculations. ND = not detected (< LOD), NT = not tested, NL = no limit, NA = not applicable. \ddagger = decarbed

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