# **CERTIFICATE OF ANALYSIS**

**PRODUCT NAME:** Certified Organic CBD FS Tincture - Tropical

PRODUCT STRENGTH: 1350 mg

FILL LOT: <u>B1211-003</u>

 TINCTURE BATCH:
 21180A

 BEST BY DATE:
 12/29/2022

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, tropical	PASS
Appearance	SOP-100	Golden to Amber oil in brown glass bottle with dropper	PASS
Primary Package Eval.	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%)	1368.1 mg	PASS		
Potency - D9-THC	SOP-111	LOQ: 10 PPM (0.001%-0.3%)	.16%	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 LOD	PASS		
Microbial - Salmonella SOP-111		Complies with USP 61/62	Below LOD	PASS		
Microbial - Yeast and Mold SOP-111		Complies with USP 61/62	Below LOD	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

Kayla Kolber
Kayla Kolber

07/06/2021

Date

Quality Assurance Technician



certificate ID

**0MN50** 

#### B1211-003

sample ID 25407

### **7USC1639 Certificate of Analysis**

total cannabinoids

1502.7mg

per 30mL

HC‡ 45.0mg CBD‡ 1368.1m

Stillwater Laboratories

order 9236

analysis date 12/15/2020 4:57:23 PM

test tag 9236.3.4

sample wgt 1.0 g

Inspection MSP-7.5.1.2

DESCRIPTION: Tincture sample (1.00g) received in a client-labeled bottle, by commercial courier. Labeled 25407 and sample tag 9236.3.4.

7USC1639 Infused



Potency per 30mL	MSP-7.5.1.4	LOD	LOQ	error (95%Cl k=2)
tetrahydrocannabolic acid (THCa		0.06	10.19	I ±0.19mg
Δ9-tetrahydrocannabinol (Δ9 TH	C) 45.0mg	0.06	10.17	I ±0.94mg
Δ8-tetrahydrocannabinol (Δ8 TH	C) / ND	0.08	10.23	1 ±0.23mg
tetrahydrocannabivarin (THCv)	/_ ND /	0.06	10.19	I ±0.19mg
cannabidiolic acid (CBDa)	ND	0.05	10.16	I ±0.16mg
cannabidiol (CBD)	1368.1mg	0.061	0.18 [	±23.57mg
cannabidivarin (CBDv)	ND	0.06	10.18	I ±0.18mg
cannabigerolic acid (CBGa)	ND ND	0.05	10.16	1 ±0.16mg
cannabigerol (CBG)	80.9mg	0.07	10.20	I ±1.58mg
cannabinol (CBN)	4.8mg	0.03	10.10	I ±0.18mg
cannabichromené (CBC)	4.0mg	0.06	10.18	I ±0.25mg

5000 ppm

890 ppm

2170 ppm

 $\ddagger = \text{decarbed } \ \ \text{NT} = \text{not tested NL} = \text{no limit, ND} = \text{not detected, LOD} = \text{detection limit , LOQ} = \text{quantitation limit}$ 

Microbial N	ISP-7.5.1.1	10 limit	Metals N	ISP-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	<b>PASS</b>	0.0 ppm	Prallethrin	<b>PASS</b>	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			11/11/15() (			Etoxazole	PASS	1.5 ppm	Pyrethrin	<b>PASS</b>	1.0 ppm
						Fenoxycarb	PASS	0.0 ppm	Pyridaben	PASS	3.0 ppm
Solvents	ISP-7.5.1.7	limit	Pesticides	/ISP-7.5.1.	B limit	Fenpyroximate	<b>PASS</b>	2.0 ppm	Spinetoram	<b>PASS</b>	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	<b>PASS</b>	12.0 ppm
Benzene		0 ppm	Acequinocyl			Fludioxonil	PASS	30.0 ppm	Spirotetramat	<b>PASS</b>	13.0 ppm
Butane	PASS	5000 ppm	Acetamiprid		5.0 ppm	Hexythiazox	PASS	2.0 ppm	Spiroxamine	<b>PASS</b>	0.0 ppm
Chloroform	PASS	0 ppm	Aldicarb		0.4 ppm	lmazalil	<b>PASS</b>	0.0 ppm	Tebuconazole	<b>PASS</b>	2.0 ppm
Cyclohexane	PASS	0 ppm	Azoxystrobin	PASS	40.0 ppm	Imidacloprid	PASS	3.0 ppm	Thiacloprid	PASS	0.1 ppm
Ethanol		10000 ppm	Bifenazate		5.0 ppm	Malathion	PASS	5.0 ppm	Thiamethoxam	<b>PASS</b>	4.5 ppm
Heptane	PASS	5000 ppm	Bifenthrin	PASS	0.5 ppm	Metalaxyl	PASS	15.0 ppm	Trifloxystrobin	PASS	30.0 ppm
Hexane		290 ppm	Boscalid	PASS	10.0 ppm	Methiocarb	PASS	0.0 ppm			
Isopropyl alcohol		5000 ppm	Carbaryl	PASS	0.5 ppm	Methomyl	<b>PASS</b>	0.1 ppm			
Methanol		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 (LC	2030C-UV	7/90
	7400	F000	11 // 11 // 12 // 13 // 1	A	0.0	N Av ralalavida sail	DACC	0.0 nnm	potency. I'll LO (LO20000-0V)		

SECURITY FEATURE: WATERMARK MUST MATCH CERTIFICATE ID AND ISSUE DATE

0.0 ppm

0.0 ppm

0.5 ppm

0.5 ppm

1.0 ppm

1.0 ppm

Certified by:

Propane PASS

Toluene PASS

Xylenes PASS

Kyle Larson, MSc (Biology)
Deputy Director

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Chlorfenapyr PASS

Chlorpyrifos PASS

Clofentezine PASS

Coumaphos PASS

Cypermethrin PASS

Cyfluthrin PASS

12/17/2020 3:27 PM

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Myclobutanil PASS

Phosmet PASS

**PASS** 

PASS

PASS

**PASS** 

Naled

Oxamyl

Paclobutrazol

Permethrin



9.0 ppm

0.5 ppm

0.2 ppm

0.0 ppm

0.2 ppm

20.0 ppm





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

terpenes: GCMS (QP2020/HS20)

solvents: GCMS (QP2020/HS20) pesticides: LCMSMS (LC8060)

mycotoxins: LCMSMS (LC8060)

metals: ICPMS (ICPMS-2030)

microbial: qPCR (AriaMx) and plating

certificate ID

1GA40

OFTT1350

21180A

rec'd 7/1/2021 2:32:23 PM

order 11189



Stillwater **Laboratories** 



Microbial	MSP-7.5.1.10	limit	LOD LOQ error	result
E.coli Salmonella sp.	ND ND	0CFU 0CFU	0.0   0.1   ±0.1CFU 0.0   0.1   ±0.1CFU	PASS PASS
molds	A ND	10000CFU	1.7   5.1   ±5.1CFU	PASS

SECURITY FEATURE: WATERMARK MUST MATCH CERTIFICATE ID AND ISSUE DATE

Certified by:

Kyle Larson, MSc Deputy Director

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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]\_{i:PLC} x volume\_{dilution/May.} • · · · Decarboxyted cannabinoid concentration is calculated XXX\_{lotal} = 0.877 x XXXXa + 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  $s_0^2 = \sum (\partial f/\partial i)^2 s_i^2$  where i is the contributor to error. The 95% confidence range is calculated from: (concentration)  $\pm t_{CL90}$  x  $s_0$ . Sampling error is not considered in error calculations. ND = not detected (< LOD), NT = not tested, NL = no limit, NA = not applicable.  $\ddagger$  = decarbed