

CERTIFICATE OF ANALYSIS

PRODUCT NAME:

Certified Organic CBD FS Tincture - Tropical

900mg

FILL LOT NUMBER:

NA

TINCTURE BATCH

BEST BY DATE:

12/28/2022

HEMP EXTRACT LOT

B1211-002

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	Coconut 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	900-1,125 mg CBD LOQ**: 10 PPM† (0.001%)		PASS
Potency - D9-THC	SOP-111	LOQ: 10 PPM (0.001%-0.3%) .12%		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

Kayla Kolber

07/06/2021

Date

Quality Assurance Technician



certificate ID

0MN48

B1211-002

7USC1639 Certificate of Analysis

sample ID 25403

total cannabinoids

1106.8mg

per 30mL

32.7mg CBD‡ 1010.4m Stillwater Laboratories

7USC1639 Infused



order 9236

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

test tag 9236.1.2 sample wgt 1.0 g

Inspection MSP-7.5.1.2

DESCRIPTION: Tincture sample received in a client-labeled bottle, by commercial courier. Labeled 25403 and sample tag 9236.1.2.

Potency per 30mL	MSP-7.5.1.4	LOD LOQ (95%Cl k=2)
tetrahydrocannabolic acid (THCa) Δ9-tetrahydrocannabinol (Δ9 THC)	ND 32.7mg	0.06 0.17 ±0.17mg 0.05 0.16 ±0.72mg
Δ8-tetrahydrocannabinol (Δ8 THC) tetrahydrocannabivarin (THCv) cannabidiolic acid (CBDa)	ND ND ND	0.07 0.22 ±0.22mg 0.06 0.18 ±0.18mg 0.05 0.15 ±0.15mg
cannabidiol (CBD) cannabidivarin (CBDv)	1010.4mg ND	0.06 0.17 ±17.34mg 0.06 0.17 ±0.17mg
cannabigerolic acid (CBGa) cannabigerol (CBG) cannabinol (CBN)	ND 57.6mg 3.5mg	0.05 0.15 ±0.15mg 0.06 0.19 ±1.16mg 0.03 0.09 ±0.15mg
cannabichromené (CBC)	2.6mg	0.06 0.17 ±0.22mg

5000 ppm

890 ppm

2170 ppm

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

7 0101114						11740 8			ZUZU (8)		
Microbial M	SP-7.5.1.1	0 limit	Metals M	ISP-7.5.1.1	1 limit	Pesticides	MSP-7.5.1.8	3 limit	Pesticides	MSP-7.5.1.8	3 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
Aflatoxin			1/11/148 (Etoxazole	PASS	1.5 ppm	Pyrethrin	PASS	1.0 ppm
					<i>—</i> /	Fenoxycarb	PASS	0.0 ppm	Pyridaben	PASS	3.0 ppm
Solvents	SP-7.5.1.7	limit	Pesticides	/ISP-7.5.1.	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		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		0.4 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		10000 ppm	Bifenazate		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		290 ppm	Boscalid	PASS	10.0 ppm	Methiocarb	PASS	0.0 ppm			
Isopropyl alcohol		5000 ppm	Carbaryl	PASS	0.5 ppm	Methomyl	PASS	0.1 ppm			
Methanol		3000 ppm	Carbofuran		0.0 ppm	Methyl parathion	PASS	0.0 ppm	INCTRUMENTO		
Pentane	PASS	5000 ppm	Chloantraniliprole	PASS	40.0 ppm	Mevinphos	PASS	0.0 ppm	n INSTRUMENTS potency: HPLC (LC2030C-UV)		
					1 _/2 / 1		D.4.00	0.0	potonoy. Til LO (LC	-20000-0V	

Cypermethrin PASS 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

Propane PASS

Toluene PASS

Xylenes PASS

Kyle Larson, MSc (Biology) Deputy Director

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

Chlorfenapyr PASS

Chlorpyrifos PASS

Clofentezine PASS

Coumaphos PASS

Cyfluthrin PASS

12/17/2020 3:04 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

20.0 ppm

0.2 ppm



ISO/IEC 17025:2017 ACCREDITED Certificate #4961 01

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

certificate ID

OFTT900

21179A

rec'd 6/30/2021 4:20:31 PM

order 11182



Stillwater **Laboratories**



Microbial	MSP-7.5.1.1	0 limit	LOD	LOQ error	result
E.coli	ND	0CFU	\0	.0 0.1 ±0.1CFU	PASS
Salmonella sp.	ND	0CFU		.0 0.1 ±0.1CFU	PASS
molds	ND	10000CFU		.9 5.8 ±5.8CFU	PASS

Certified by:

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https://customer.a2la.org/index.cfm?event= directory.detail&labPID=423635B2-5128-4C 6F-871A-419DCF43B0D7

SECURITY FEATURE: WATERMARK MUST MATCH CERTIFICATE ID AND ISSUE DATE

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_{dilutlon}/m_{dry}. ••• Decarboxyted cannabinoid concentration is calculated XXX_{lotal} = 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 t_{CL30} 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