# **CERTIFICATE OF ANALYSIS**

**PRODUCT NAME:** Certified Organic CBD Tincture - Mint

 PRODUCT STRENGTH:
 900 mg

 FILL LOT NUMBER:
 NA

 TINCTURE BATCH
 21127A

 BEST BY DATE:
 11/07/2022

 HEMP EXTRACT LOT
 C0210-001

## \*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, minty	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	900-1,125 mg CBD LOQ**: 10 PPM† (0.001%)	1 1000 1mg l	
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	Complies with USP 61/62 Below LOD PA	
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 05/13/2021

Kayla Kolber Date

Quality Assurance Technician



certificate ID

1BK54

#### C0210-001

sample ID 25868

## **7USC1639 Certificate of Analysis**

total cannabinoids 1056.4mg

per 30mL

THC total

CBD total 1000.1m

terpenes

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

MIP

MSP-7.5.1.6

limit 0.00 ppm

2.00 ppm

0.00 ppm

3.00 ppm 5.00 ppm

0.10 ppm

0.00 ppm

0.00 ppm 9.00 ppm

0.50 ppm 0.20 ppm

0.00 ppm

20.00

30.00 2.00 ppm

15.00 mqq 66.6

order 9818

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

test tag 9818.1

sample wgt

Inspection MSP-7.5.1.2

DESCRIPTION: Oil sample received in a client-labeled bottle, by commercial courier. Labeled 25868 and sample tag 9818.1.

caryophyllene humulene terpinolene ocimene beta pinene alpha pinene limonene

> myrcene linalool

(83)

MSP-7.5.1.6

**Terpenes** 



error LOQ (95%Cl k=2) Potency per 30mL MSP-7.5.1.4 LOD ND tetrahydrocannabolic acid (THCa) 0.07 | 0.20 | ±0.20mg Δ9-tetrahydrocannabinol (Δ9 THĆ) ND 0.06 | 0.19 | ±0.19mg Δ8-tetrahydrocannabinol (Δ8 THC) ND 0.08 | 0.25 | ±0.25mg tetrahydrocannabivarin (THCv) ND 0.07 | 0.21 | ±0.21mg ND 0.06 | 0.17 | ±0.17mg cannabidiolic acid (CBDa) cannabidiol (CBD) 1000.1mg 0.07 | 0.20 | ±16.95mg 0.06 | 0.19 | ±0.24mg cannabidivarin (CBDv) 2.5mg ND cannabigerolic acid (CBGa) 0.06 | 0.17 | ±0.17mg cannabigerol (CBG) 53.8mg 0.04 | 0.11 | ±1.01mg NĎ 0.04 | 0.11 | ±0.11mg cannabinol (CBN) cannabichromene (CBC) ND 0.06 | 0.19 | ±0.19mg

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

Microbial N	ISP-7.5.1.1	10 limit	Metals N	SP-7.5.1.1	1 limit	Pesticides	MSP-7.5.1.8	3 limit	Pesticides	MSP-7.5.1.	.8
E.coli	PASS	0CFU	Arsenic	<b>PASS</b>	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.
molds	PASS	10000CFU	Lead	PASS	500 ppb	Acequinocyl	PASS	4.00 ppm	Fludioxonil	PASS	30
Ochratoxin A	PASS	20 ppb	Mercury	PASS	300 ppb	Acetamiprid	PASS	5.00 ppm	Hexythiazox	<b>PASS</b>	2.7
Aflatoxin		20 ppb				Aldicarb	PASS	0.00 ppm	lmazalil	PASS	0.0
- (= )211 - L						Azoxystrobin	PASS	40.00	Imidacloprid	PASS	3.
Solvents	ISP-7.5.1.7	limit	Pesticides	ISP-7.5.1.	8 limit	Bifenazate	PASS	5.00 ppm	Malathion	PASS	5.
Acetone	PASS	5000 ppm	Permethrin	<b>PASS</b>	20.00 ppm	Bifenthrin	PASS	0.50 ppm	Metalaxyl	PASS	15
Acetonitrile	<b>PASS</b>	410 ppm	Phosmet	<b>PASS</b>	0.20 ppm	Boscalid	PASS	10.00	Methiocarb	PASS	0.7
Benzene	PASS	0 ppm	Piperonylbutoxide	PASS	8.00 ppm	Carbaryl	PASS	0.50 ppm	Methomyl	PASS	0.
Butane	<b>PASS</b>	5000 ppm	Prallethrin	<b>PASS</b>	0.40 ppm	Carbofuran	PASS	0.00 ppm	Methyl parathion	PASS	0.0
Chloroform	<b>PASS</b>	0 ppm	Propiconazole	PASS	20.00 ppm	Chloantraniliprole	PASS	40.00	Mevinphos	PASS	0.0
Cyclohexane	<b>PASS</b>	0 ppm	Propoxur	<b>PASS</b>	0.00 ppm	Chlorfenapyr	<b>PASS</b>	0.00 ppm	Myclobutanil	PASS	9.
Ethanol	PASS	10000 ppm	Pyrethrin	PASS	1.00 ppm	Chlorpyrifos	PASS	0.00 ppm	Naled	<b>PASS</b>	0.
Heptane	<b>PASS</b>	5000 ppm	Pyridaben	<b>PASS</b>	3.00 ppm	Clofentezine	PASS	0.50 ppm	Oxamyl	PASS	0.3
Hexane	PASS	290 ppm	Spinetoram	<b>PASS</b>	3.00 ppm	Coumaphos	PASS	0.00 ppm	Paclobutrazol	PASS	0.
Isopropyl alcohol	PASS	5000 ppm	Spinosad	PASS	3.00 ppm	Cyfluthrin	PASS	1.00 ppm	Permethrin	PASS	20
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 (LC	2030C-UV	0 (
Propane	PASS	5000 ppm	Spiroxamine	PASS	0.00 ppm	Dichlorvos	PASS	0.00 ppm	terpenes: GCMS (Q		
Toluene	<b>PASS</b>	890 ppm	Tebuconazole	PASS	2.00 ppm	Diazinon	PASS	0.20 ppm			
Xylenes	<b>PASS</b>	2170 ppm	Thiacloprid	PASS	0.10 ppm	Dimethoate	PASS	0.00 ppm	pesticides: LCMSM		
			Thiamethoxam	PASS	4.50 ppm	Etoxazole	PASS	1.50 ppm	mycotoxins: LCMSN		

Trifloxystrobin PASS 30.00 ppm

SECURITY FEATURE: WATERMARK MUST MATCH CERTIFICATE ID AND ISSUE DATE

Certified k

Kyle Larson, MSc (Biology) Deputy Director

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

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0.00 ppm

2.00 ppm

**PASS** 

**PASS** 

Fenoxycarb

Fenpyroximate





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

microbial: qPCR (AriaMx) and plating

metals: ICPMS (ICPMS-2030)

certificate ID
1EG20

OTM900

21127A

rec'd 5/10/2021 12:15:18 PM

order 10693

per

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

Stillwater Laboratories

**7USC1639 Certificate of Analysis** 



per

Microbial	MSP-7.5.1.10	limit	LOD LOQ error	result
E.coli Salmonella sp.	ND ND	0CFU 0CFU	0.1   0.4   ±0.4CFU 0.1   0.4   ±0.4CFU	PASS PASS
molds	ND	10000CFU	6.2   18.7   ±18.7CFU	PASS

SECURITY FEATURE: WATERMARK MUST MATCH CERTIFICATE ID AND ISSUE DATE

Certified by:

Kyle Larson, MSc Deputy Director

Printed 5/13/2021 11:24 AM





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

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), LOO 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<sub>CL09</sub> 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