



CERTIFICATE OF ANALYSIS

PRODUCT NAME: Certified Organic CBD Tincture - Mint
PRODUCT STRENGTH: 2250 mg
FILL LOT NUMBER: 210208B
TINCTURE BATCH: 210215H
BEST BY DATE: 08/16/2022
HEMP EXTRACT LOT [C0125-001](#)

Click on the links to view third-party reports

Physical Attributes

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	2250-2812.5 mg CBD LOQ**: 10 PPM† (0.001%)	2451 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	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 *Kei Horikawa* 03/01/2021
 Kei Horikawa Date
 Quality Control Manager



total cannabinoids	Δ9-THC	THCa	total THC
86 mg	0.00 mg	0.00 mg	0.00 mg
per mL	CBD	CBDa	total CBD
	81.7 mg	0.00 mg	81.7 mg

Lot# 210208B

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



ISO/IEC 17025:2017



Certificate #4991.01



Stillwater Laboratories

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

Sample Handling

test ID 9824.1	sample wt
type	order 9824
lab ID 1BK56	sample date 2/12/2021
unit mL	unit weight 0.9 g



Methods

	method	equipment
weights	MSP-7.3.1.3	AUX120.1
potency	MSP-7.5.1.5	LC-2030
terpenes	MSP-7.5.1.7	QP2020/HS20
pesticides	MSP-7.5.1.8	LC-8060
mycotoxins	MSP-7.5.1.8	LC-8060
microbial	MSP-7.5.1.1	AriaMx/Hardy
solvents	MSP-7.5.1.6	QP2020/HS20
metals	MSP-7.5.1.1	ICPMS2030

Potency	per mL	estimated error	Terpenes	%	estimated error	%	estimated error	%	estimated error
tetrahydrocannabinolic acid (THCa)	0%	0.00 mg ± 0.01 mg	terpenes not tested / not required						
Δ ⁹ -tetrahydrocannabinol (Δ ⁹ THC)	0%	0.00 mg ± 0.01 mg							
Δ ⁸ -tetrahydrocannabinol (Δ ⁸ THC)	0%	0.00 mg ± 0.01 mg							
tetrahydrocannabivarin (THCv)	0%	0.00 mg ± 0.01 mg							
cannabidiolic acid (CBDa)	0%	0.00 mg ± 0.01 mg							
cannabidiol (CBD)	8.97%	81.7 mg ± 0.22 mg							
cannabidivarin (CBDv)	.02%	0.19 mg ± 0.02 mg							
cannabigerolic acid (CBGa)	0%	0.00 mg ± 0.01 mg							
cannabigerol (CBG)	.46%	4.23 mg ± 0.05 mg							
cannabinol (CBN)	0%	0.00 mg ± 0.01 mg							
cannabichromene (CBC)	.03%	0.25 mg ± 0.02 mg							

Solvents	MT limit	1BK56	LOQ	Pesticides (MT)	MT limit	1BK56	LOQ	Pesticides (other)	1BK56	LOQ
				pesticides not tested / not required				not tested / not required		

Toxic Metals	MT limit	1BK56	LOQ
metals			
not tested / not required			

Microbial	MT limit	1BK56	LOQ
microbial not tested			

Comments

POTENCY RERUN WITH SIMILAR RESULTS

• All testing was completed onsite at 6073 US93N, Olney MT •• Potency (cannabinoid concentration) is calculated from the equation: [cannabinoid] = [cannabinoid]_{HPLC} x volume_{dilution}/m_{dry}. Terpene concentration is calculated from the equation: [terpene] = (terpene mass)_{GC/MS} / m_{dry}. ••• Decarboxyated cannabinoid concentration is calculated from the equation XXX_{total} = 0.877 x XXX_a + XXX ••• Standards are used to calibrate the resulting data and estimate error using a standard estimate of error method; this is combined with error from weighing and dilution using the propagation of error formula s_y² = Σ(∂f/∂i)²s_i² where i is the contributor to error. The 95% confidence range is calculated from the equation: (concentration) ± t_{C,90} x S_y. Sampling error is not

Certified by:

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Deputy Director
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total cannabinoids **89.4%**
25656
CBD total 83.9%
THC 0.0%
decarb total 83.87%
0%

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



ISO/IEC 17025 2017



Certificate #4961 01

Stillwater Laboratories

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

Sample Handling

test ID sample date 1/26/21 12:33 PM
order 9634 labID 1AW04 weight
source 1278V4E80196231002

concentrate



Methods	method	equipment
weights	MSP-7.3.1.3	AUX120.1
potency	MSP-7.5.1.5	LC-2030
terpenes	MSP-7.5.1.7	QP2020/HS20
pesticides	MSP-7.5.1.8	LC-8060
mycotoxins	MSP-7.5.1.8	LC-8060
microbial	MSP-7.5.1.1	AriaMx/Hardy
solvents	MSP-7.5.1.6	QP2020/HS20
metals	MSP-7.5.1.11	ICPMS2030

Potency	%	estimated error	Terpenes	%	estimated error	%	estimated error	%	estimated error
tetrahydrocannabinolic acid (THCa)	0%	± 0.02 %	terpenes not tested / not required						
Δ ⁹ -tetrahydrocannabinol (Δ ⁹ THC)	0%	± 0.02 %							
Δ ⁸ -tetrahydrocannabinol (Δ ⁸ THC)	0%	± 0.02 %							
tetrahydrocannabivarin (THCv)	0%	± 0.02 %							
cannabidiolic acid (CBDA)	0%	± 0.02 %							
cannabidiol (CBD)	83.87%	± 0.75 %							
cannabidivarin (CBDv)	.63%	± 0.07 %							
cannabigerolic acid (CBGA)	0%	± 0.02 %							
cannabigerol (CBG)	4.94%	± 0.18 %							
cannabinol (CBN)	0%	± 0.02 %							
cannabichromene (CBC)	0%	± 0.02 %							

Solvents	MT limit	1AW04	LOQ	Pesticides (MT)	MT limit	1AW04	LOQ	Pesticides (other)	1AW04	LOQ
propane	5,000	PASS	<10ppm	abamectin	2.50 ppm	PASS	<10ppb	acephate	0.00 ppm	<10ppb
butanes	5,000	PASS	<10ppm	acequinocyl	10.00 ppm	PASS	<10ppb	acetamiprid	0.00 ppm	<10ppb
pentanes	5,000	PASS	<10ppm	bifenazate	1.00 ppm	PASS	<10ppb	aldicarb	0.00 ppm	<10ppb
hexanes	290	PASS	<10ppm	bifenthrin	1.00 ppm	PASS	<10ppb	azoxystrobin	0.00 ppm	<10ppb
cyclohexane	3,880	PASS	<10ppm	chlormequat cl.	5.00 ppm	PASS	<10ppb	boscalid	0.00 ppm	<10ppb
heptanes	5,000	PASS	<10ppm	cyfluthrin	5.00 ppm	PASS	<80ppb	carbaryl	0.00 ppm	<10ppb
methanol	3,000	PASS	<10ppm	diaminozide	5.00 ppm	PASS	<10ppb	carbofuran	0.00 ppm	<10ppb
isopropanol	5,000	PASS	<10ppm	etoxazole	1.00 ppm	PASS	<10ppb	chloantraniliprole	0.00 ppm	<10ppb
acetone	5,000	PASS	<10ppm	fenoxycarb	1.00 ppm	PASS	<10ppb	chlorpyrifos	0.00 ppm	<10ppb
ethyl acetate	5,000	PASS	<10ppm	imazalil	1.00 ppm	PASS	<10ppb	clofentezine	0.00 ppm	<10ppb
benzene	2	PASS	<0.2ppm	imidacloprid	2.00 ppm	PASS	<10ppb	cypermethrin	0.00 ppm	<10ppb
toluene	890	PASS	<10ppm	myclobutanil	0.60 ppm	PASS	<10ppb	diazinon	0.00 ppm	<10ppb
xylenes	2,170	PASS	<10ppm	paclobutrazol	2.00 ppm	PASS	<10ppb	dichlorvos	0.00 ppm	<10ppb
chloroform	2	PASS	<0.2ppm	pyrethrins	5.00 ppm	PASS	<10ppb	dimethoate	0.00 ppm	<10ppb
dichloromethane	600	PASS	<10ppm	spinosad	1.00 ppm	PASS	<10ppb	etofenprox	0.00 ppm	<10ppb
acetonitrile	NA	N/A	<10ppm	spiromesifen	1.00 ppm	PASS	<10ppb	fenpyroximate	0.00 ppm	<10ppb
ethanol	NA	N/A	<10ppm	spirotetramat	1.00 ppm	PASS	<10ppb	fipronil	0.00 ppm	<10ppb
tetrahydrofuran	NA	N/A	<10ppm	trifloxystrobin	1.00 ppm	PASS	<10ppb	flonicamid	0.00 ppm	<10ppb

Toxic Metals	MT limit	1AW04	LOQ	Microbial	MT limit	1AW04	LOQ
arsenic	2 ppm	PASS	<10ppb	<i>E. coli</i>	10 CFU		<10 CFU/g
cadmium	4.1 ppm	PASS	<10ppb	Salmonella sp.	10 CFU	PASS	<10 CFU/g
lead	1.2 ppm	PASS	<10ppb	molds	10000 CFU	PASS	<10k CFU/g
mercury	0.4 ppm	PASS	<10ppb	Aflatoxin B1,B2,G1,G2	20 ppb	PASS	<20 ppb
				Ochratoxin A	20 ppb	PASS	<20 ppb

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hexythiazox	0.00 ppm	<10ppb
kresoxym-methyl	0.00 ppm	<10ppb
malathion	0.00 ppm	<10ppb
metalaxyl	0.00 ppm	<10ppb
methiocarb	0.00 ppm	<10ppb
methomyl	0.00 ppm	<10ppb
oxamyl	0.00 ppm	<10ppb
permethrins	0.00 ppm	<10ppb
phosmet	0.00 ppm	<10ppb
piperonyl butoxide	0.00 ppm	<10ppb
prallethrin	0.00 ppm	<10ppb
propiconazole	0.00 ppm	<10ppb
pyridaben	0.00 ppm	<10ppb
spiroxamine	0.00 ppm	<10ppb
tebuconazole	0.00 ppm	<10ppb
thiacloprid	0.00 ppm	<10ppb
thiamethoxam	0.00 ppm	<10ppb

CTLA ID: 27506
 Date Received: 2/10/2021
 Sample Name: ORG BS OEVOO Mint 2250 Formulation
 Lot Number: 210208B
 Customer:

Analysis	Method	MDL Specification	Result	Units
Rapid Complete Micro				
Total Plate Count	USP <2021>	100 Report	<100	cfu/g
Total Coliforms	BAM CH.4	10 Report	<10	cfu/g
<i>E. coli</i>	USP <2022>	Report	Negative	
<i>Salmonella</i>	USP <2022>	Report	Negative	
<i>Staphylococcus aureus</i>	USP <2022>	Report	Negative	
Rapid Yeast and Mold	AOAC 997.02	10 Report	<10	cfu/g

2/12/2021
 DATE


 Quality Manager

Specifications provided by the Customer. Results with an asterisk (*) denote Specifications should be reviewed by the Customer. This Certificate of Analysis represents data for the sample submitted and does not constitute a guarantee of quality for the entire product from which it was taken. These results are provided for the benefit of the Customer. MDL = Method Detection Limit.

CTLA ID: 27832
 Date Received: 2/17/2021
 Sample Name: ORG BS OEVOO Mint 2250 Packaging
 Lot Number: 210215H
 Customer:

Analysis	Method	MDL Specification	Result	Units
Rapid Complete Micro				
Total Plate Count	USP <2021>	100 Report	100	cfu/g
Total Coliforms	BAM CH.4	10 Report	<10	cfu/g
<i>E. coli</i>	USP <2022>	Report	Negative	
<i>Salmonella</i>	USP <2022>	Report	Negative	
<i>Staphylococcus aureus</i> <2022>	USP <2022>	Report	Negative	
Rapid Yeast and Mold	AOAC 2014.05	10 Report	<10	cfu/g

2/19/2021
 DATE


 Quality Manager

Specifications provided by the Customer. Results with an asterisk (*) denote Specifications should be reviewed by the Customer. This Certificate of Analysis represents data for the sample submitted and does not constitute a guarantee of quality for the entire product from which it was taken. These results are provided for the benefit of the Customer. MDL = Method Detection Limit.