

CERTIFICATE OF ANALYSIS

PRODUCT NAME: CBD Tincture - Minty
PRODUCT STRENGTH: 450 mg
FILL LOT NUMBER: 200805A
TINCTURE BATCH 200818C
BEST BY DATE: 02/2022
HEMP EXTRACT LOT **BO313-001**

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	450-562.5 mg CBD LOQ*: 10 PPM† (0.001%)	15.4mg	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

Kei Horikawa
Quality Control Manager

08/26/2020

Date



total cannabinoids	Δ9-THC	THCa	total THC
16 mg	0.00 mg	0.00 mg	0.00 mg
per mL	CBD	CBDa	total CBD
	15.4 mg	0.00 mg	15.4 mg

Lot# 200805A

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



Stillwater
Laboratories

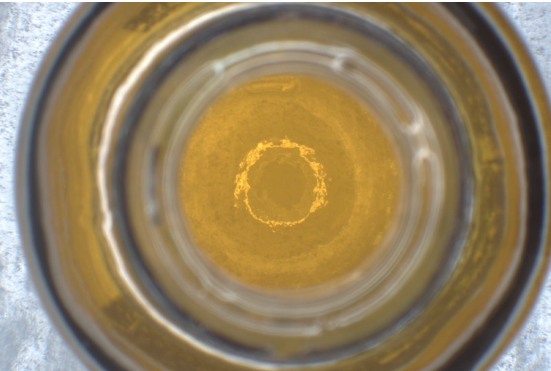
https://portal.a2la.org/scopepdf/4961-01.pdf

Sample Handling

test ID	sample wt	26.9 g
type	concentrate	order 8076
lab ID	0HH26	sample date 8/13/2020
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 RTPCR
solvents	MSP-7.5.1.6	QP2020/HS20
metals	MSP-7.5.1.1	ICPMS2030

concentrate



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)	1.72%	15.4 mg	± 0.13 mg						
cannabidivarin (CBDv)	0%	0.04 mg	± 0.02 mg						
cannabigerolic acid (CBGA)	0%	0.00 mg	± 0.01 mg						
cannabigerol (CBG)	.07%	0.61 mg	± 0.03 mg						
cannabinol (CBN)	0%	0.00 mg	± 0.01 mg						
cannabichromene (CBC)	0%	0.00 mg	± 0.01 mg						

Pesticides (MT)	MT limit	0HH26	LOQ	Pesticides (other)	0HH26	LOQ
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pesticides
not tested / not required

not tested /
not required

Toxic Metals	MT limit	0HH26	LOQ
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metals
not tested / not required

Microbial	MT limit	0HH26	LOQ
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microbial not tested

Comments

• 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)_{GCMS} / m_{dry}. •• Decarboxyted 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_g² = Σ (∂f/∂i)² s_i² where i is the contributor to error. The 95% confidence range is calculated from the equation: (concentration) ± t_{CL90} x s_g. Sampling error is not

Certified by:



Kyle Larson, MSc (Biology)
Deputy Director
6073 US93N, Olney MT 59927
406-881-2019 rdb@stwlabs.com

Certificate of Analysis

Sample Information

CTLA ID: 20508
Date Received: 8/21/2020
Sample Name: OEV00 Mint 450 30 ml
Lot Number: 200818C
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>Escherichia 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

8/24/2020

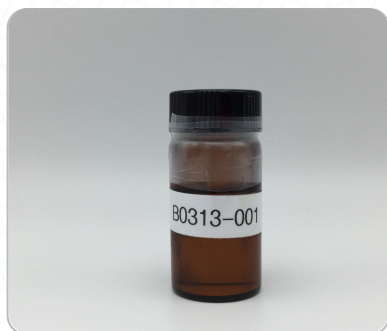
DATE


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.



Order #: 51103
Order Name: B0313-001
Batch #: B0313-001
Complete: 03/20/2020



N/D

D9-THC

88.92%

Total CBD

Delta-9-Tetrahydrocannabinol 0%
Tetrahydrocannabinolic Acid 0%
Cannabidiol 89%
Cannabidiolic Acid 0%
Cannabidivarin 0%
Cannabichromene 0%
Cannabinol 0%
Cannabigerol 5%
Cannabigerolic Acid 0%
Delta-8-Tetrahydrocannabinol 0%
Tetrahydrocannabivarin 0%

Cannabinoids

	LOQ	weight(%)	mg/g
D9-THC	< 0.05%	N/D	N/D
THCA	< 0.05%	N/D	N/D
CBD	< 0.05%	< 88.92%	< 889.24
CBDA	< 0.01%	N/D	N/D
CBDV	< 0.01%	N/D	N/D
CBC	< 0.01%	N/D	N/D
CBN	< 0.01%	N/D	N/D
CBG	< 0.01%	< 4.51%	< 45.23
CBGA	< 0.01%	N/D	N/D
D8-THC	< 0.05%	N/D	N/D
THCV	< 0.05%	N/D	N/D
TOTAL D9-THC	N/A	< N/D	< N/D
TOTAL CBD*	N/A	< 88.92%	< 889.24
TOTAL CANNABINOIDS	N/A	< 93.44%	< 934.47

Metal

	Action Level	Result
ARSENIC (AS)	200	B/LOQ
CADMIUM (CD)	200	B/LOQ
MERCURY (HG)	100	B/LOQ
LEAD (PB)	500	B/LOQ

Limit of Quantitation (LOQ) is 85 ppb

Residual Solvents

Solvent Name	Action Level	Results	LOQ
ACETONE	5,000	N/D	280
ACETONITRILE	410	N/D	50
BENZENE	1	N/D	1
BUTANE	5,000	N/D	100
CHLOROFORM	1	N/D	1
DICHLOROETHANE	1	N/D	1
DICHLOROMETHANE	1	N/D	1
ETHANOL	5,000	N/D	280
ETHYL ACETATE	5,000	N/D	280
ETHYL ETHER	5,000	N/D	280

Solvent Name	Action Level	Results	LOQ
ISOPROPYL ALCOHOL	5,000	N/D	280
METHANOL	3,000	B/LOQ	200
N-HEPTANE	5,000	N/D	280
N-HEXANE	290	B/LOQ	36
PENTANE	5,000	N/D	280
PROPANE	5,000	N/D	40
TOLUENE	890	N/D	106
TRICHLOROETHENE	1	N/D	0
XYLENES	2,170	N/D	260

Pesticide

Pesticide Name	Action Level	Results	LOQ	Pesticide Name	Action Level	Results	LOQ	Pesticide Name	Action Level	Results	LOQ
ABAMECTIN B1A	0.100	N/D	0.02	ETHOPROPHOS	0.100	N/D	0.004	NALED	0.100	N/D	0.02
ACEPHATE	0.100	N/D	0.004	ETOFENPROX	0.100	N/D	0.004	OXAMYL	0.500	N/D	0.004
ACEQUINOCYL	0.100	N/D	0.004	ETOXAZOLE	0.100	N/D	0.04	PACLOBUTRAZOL	0.100	N/D	0.02
ACETAMIPRID	0.100	N/D	0.02	FENHEXAMID	0.100	N/D	0.02	PERMETHRINS	0.500	N/D	0.02
ALDICARB	0.100	N/D	0.02	FENOXYCARB	0.100	N/D	0.02	PHOSMET	0.100	N/D	0.02
AZOXYSTROBIN	0.100	N/D	0.004	FENPYROXIMATE	0.100	N/D	0.004	PRALLETHRIN	0.100	N/D	0.02
BIFENAZATE	0.100	N/D	0.02	FIPRONIL	0.100	N/D	0.012	PROPICONAZOLE	0.100	N/D	0.04
BIFENTHRIN	3.000	N/D	0.02	FLONICAMID	0.100	N/D	0.05	PROPOXUR	0.100	N/D	0.004
BOSCALID	0.100	N/D	0.02	FLUDIOXONIL	0.100	N/D	0.012	PYRETHRINS (PYRETHRIN I)	0.500	N/D	0.02
CARBARYL	0.500	N/D	0.012	HEXYTHIAZOX	0.100	N/D	0.02	PYRIDABEN	0.100	N/D	0.02
CARBOFURAN	0.100	N/D	0.004	IMAZALIL	0.100	N/D	0.02	SPINETORAM	0.100	N/D	0.004
CHLORANTRANILIPROLE	10.000	N/D	0.02	IMIDACLOPRID	5.000	N/D	0.02	SPINOSAD	0.100	N/D	0.004
CHLORPYRIFOS	0.100	N/D	0.004	KRESOXIM-METHYL	0.100	N/D	0.04	SPIROMESIFEN	0.100	N/D	0.02
CLOFENTEZINE	0.100	N/D	0.004	MALATHION	0.500	N/D	0.02	SPIROTETRAMAT	0.100	N/D	0.004
DAMINOZIDE	0.100	N/D	0.02	METALAXYL	2.000	N/D	0.004	SPIROXAMINE	0.100	N/D	0.004
DIAZANON	0.100	N/D	0.004	METHIOCARB	0.100	N/D	0.02	TEBUCONAZOLE	0.100	N/D	0.02
DICHLORVOS	0.100	N/D	0.02	METHOMYL	1.000	N/D	0.004	THIACLOPRID	0.100	N/D	0.004
DIMETHOATE	0.100	N/D	0.004	MEVINPHOS	0.100	N/D	0.004	THIAMETHOXAM	5.000	N/D	0.004
DIMETHOMORPH	2.000	N/D	0.02	MYCLOBUTANIL	0.100	N/D	0.02	TRIFLOXYSTROBIN	0.100	N/D	0.004

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1-833 TEST CBD

