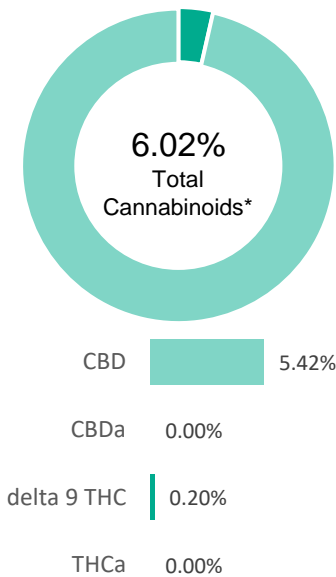


1500mg Mint Tincture *Full Spec Analysis

Batch ID:	544653	Test ID:	T000134574
Type:	Concentrate	Submitted:	04/13/2021 @ 12:35 PM
Test:	Potency	Started:	4/15/2021
Method:	TM14	Reported:	4/16/2021

CANNABINOID PROFILE


Compound	LOQ (%)	Result (%)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.01	ND	ND
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.01	0.20	2.0
Cannabidiolic acid (CBDA)	0.02	ND	ND
Cannabidiol (CBD)	0.02	5.42	54.2
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.02	ND	ND
Cannabinolic Acid (CBNA)	0.01	ND	ND
Cannabinol (CBN)	0.00	0.01	0.1
Cannabigerolic acid (CBGA)	0.01	ND	ND
Cannabigerol (CBG)	0.00	0.17	1.7
Tetrahydrocannabivarinic Acid (THCVA)	0.01	ND	ND
Tetrahydrocannabivarin (THCV)	0.00	0.00	0.0
Cannabidivarinic Acid (CBDVA)	0.01	ND	ND
Cannabidivarin (CBDV)	0.00	0.02	0.2
Cannabichromenic Acid (CBCA)	0.01	ND	ND
Cannabichromene (CBC)	0.01	0.20	2.0
Total Cannabinoids		6.02	60.2
Total Potential THC**		0.20	2.0
Total Potential CBD**		5.42	54.2

% = % (w/w) = Percent (Weight of Analyte / Weight of Product)

* Total Cannabinoids result reflects the absolute sum of all cannabinoids detected.

** Total Potential THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during decarboxylation step.

$$\text{Total THC} = \text{THC} + (\text{THCa} * (0.877)) \text{ and}$$



$$\text{Total CBD} = \text{CBD} + (\text{CBDa} * (0.877))$$

ND = None Detected (Defined by Dynamic Range of the method)

NOTES:

N/A

FINAL APPROVAL

 Ryan Weems 16-Apr-2021 12:24 PM	 Daniel Weidensaul 16-Apr-2021 12:27 PM
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PREPARED BY / DATE

APPROVED BY / DATE

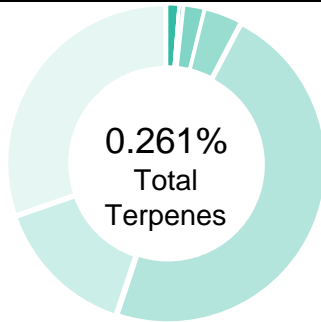
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Certificate #4329.02

1500mg Mint Tincture *Full Spec Analysis

Batch ID:	544653	Test ID:	T000125692
Type:	Concentrate	Submitted:	02/23/2021 @ 10:57 AM
Test:	Terpenes	Started:	2/25/2021
Method:	TM22	Reported:	2/26/2021

TERPENE PROFILE


Compound	%(w/w)	mg/g
(-)-alpha-Bisabolol	0.071	0.71
Camphene	0.000	0
delta-3-Carene	0.000	0
beta-Caryophyllene	0.111	1.11
(-)-Caryophyllene Oxide	0.006	0.06
p-Cymene	0.000	0
Eucalyptol	0.007	0.07
Geraniol	0.000	0
alpha-Humulene	0.034	0.34
(-)-Isopulegol	0.000	0
d-Limonene	0.005	0.05
Linalool	0.009	0.09
beta-Myrcene	0.003	0.03
cis-Nerolidol	0.000	0
trans-Nerolidol	0.007	0.07
Ocimene	0.000	0
beta-Ocimene	0.000	0
alpha-Pinene	0.000	0
(-)-beta-Pinene	0.000	0
alpha-Terpinene	0.001	0.01
gamma-Terpinene	0.001	0.01
Terpinolene	0.006	0.06
	0.261%	2.61



PREDOMINANT TERPENES

alpha-Pinene	0.000%
(-)-beta-Pinene	0.000%
beta-Myrcene	0.003%
delta-3-Carene	0.000%
alpha-Terpinene	0.001%
d-Limonene	0.005%
Linalool	0.009%
beta-Caryophyllene	0.111%
alpha-Humulene	0.034%
(-)-alpha-Bisabolol	0.071%

NOTES:

0

FINAL APPROVAL

 Ryan Weems 26-Feb-2021 3:37 PM	 Greg Zimpfer 26-Feb-2021 6:09 PM
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APPROVED BY / DATE

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Certificate #4329.02

1500mg Mint Tincture *Full Spec Analysis

Batch ID:	544653	Test ID:	T000125696
Type:	Concentrate	Submitted:	02/23/2021 @ 10:57 AM
Test:	Residual Solvents	Started:	2/26/2021
Method:	TM04	Reported:	2/26/2021


RESIDUAL SOLVENTS

Solvent	Dynamic Range (ppm)	Result (ppm)
Propane	101 - 2012	*ND
Butanes (Isobutane, n-Butane)	193 - 3863	*ND
Methanol	59 - 1179	*ND
Pentane	96 - 1920	*ND
Ethanol	95 - 1895	130
Acetone	96 - 1924	*ND
Isopropyl Alcohol	97 - 1948	*ND
Hexane	6 - 117	*ND
Ethyl Acetate	97 - 1944	*ND
Benzene	0.2 - 3.9	*ND
Heptanes	96 - 1919	*ND
Toluene	17 - 349	*ND
Xylenes (m,p,o-Xylenes)	127 - 2542	*ND

* ND = None Detected (Defined by Dynamic Range of the method)

NOTES:
N/A

FINAL APPROVAL


Mara Miller
26-Feb-2021
4:02 PM

PREPARED BY / DATE


Greg Zimpfer
26-Feb-2021
6:08 PM

APPROVED BY / DATE

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Certificate #4329.02

1500mg Mint Tincture *Full Spec Analysis

Batch ID:	544653	Test ID:	T000125694
Type:	Concentrate	Submitted:	02/23/2021 @ 10:57 AM
Test:	Microbial Contaminants	Started:	2/23/2021
Method:	TM24, TM25, TM26, TM27, TM28	Reported:	2/26/2021

MICROBIAL CONTAMINANTS

Contaminant	Result (CFU/g)*
Total Aerobic Count**	None Detected
Total Coliforms**	None Detected
Total Yeast and Molds**	None Detected
E. coli	Absent
E. coli (STEC)	None Detected
Salmonella	None Detected

* CFU/g = Colony Forming Unit per Gram

** Values recorded in scientific notation, a common microbial practice of expressing numbers that are too large to be conveniently written in decimal form.

Examples: $10^2 = 100$ CFU
 $10^3 = 1,000$ CFU
 $10^4 = 10,000$ CFU
 $10^5 = 100,000$ CFU



NOTES:

Free from visual mold, mildew, and foreign matter

TYM: None Detected

Total Aerobic: None Detected

Coliforms: None Detected

FINAL APPROVAL
Robert Belfon
26-Feb-2021
2:44 PM
Greg Zimpfer
26-Feb-2021
6:05 PM

PREPARED BY / DATE

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Certificate #4329.03

1500mg Mint Tincture *Full Spec Analysis

Batch ID:	544653	Test ID:	T000125693
Type:	Concentrate	Submitted:	02/23/2021 @ 10:57 AM
Test:	Pesticides	Started:	2/25/2021
Method:	TM17	Reported:	3/1/2021


PESTICIDE RESIDUE


Compound	Dynamic Range (ppb)	Result (ppb)	Compound	Dynamic Range (ppb)	Result (ppb)
Acephate	35 - 2572	ND*	Malathion	304 - 2572	ND*
Acetamiprid	42 - 2572	ND*	Metalaxyl	41 - 2572	ND*
Abamectin	>356	ND*	Methiocarb	40 - 2572	ND*
Azoxystrobin	44 - 2572	ND*	Methomyl	44 - 2572	ND*
Bifenazate	29 - 2572	ND*	MGK 264 1	167 - 2572	ND*
Boscalid	44 - 2572	ND*	MGK 264 2	105 - 2572	ND*
Carbaryl	40 - 2572	ND*	Myclobutanil	39 - 2572	ND*
Carbofuran	41 - 2572	ND*	Naled	43 - 2572	ND*
Chlorantraniliprole	38 - 2572	ND*	Oxamyl	40 - 2572	ND*
Chlorpyrifos	44 - 2572	ND*	Paclobutrazol	42 - 2572	ND*
Clofentezine	281 - 2572	ND*	Permethrin	280 - 2572	ND*
Diazinon	292 - 2572	ND*	Phosmet	43 - 2572	ND*
Dichlorvos	>298	ND*	Propfos	311 - 2572	ND*
Dimethoate	42 - 2572	ND*	Propxur	40 - 2572	ND*
E-Fenpyroximate	291 - 2572	ND*	Pyridaben	293 - 2572	ND*
Etofenprox	43 - 2572	ND*	Spinosad A	31 - 2572	ND*
Etozazole	301 - 2572	ND*	Spinosad D	79 - 2572	ND*
Fenoxycarb	>32	ND*	Spiromesifen	>285	ND*
Fipronil	40 - 2572	ND*	Spirotetramat	>312	ND*
Flonicamid	39 - 2572	ND*	Spiroxamine 1	17 - 2572	ND*
Fludioxonil	>298	ND*	Spiroxamine 2	23 - 2572	ND*
Hexythiazox	37 - 2572	ND*	Tebuconazole	297 - 2572	ND*
Imazalil	284 - 2572	ND*	Thiacloprid	44 - 2572	ND*
Imidacloprid	43 - 2572	ND*	Thiamethoxam	40 - 2572	ND*
Kresoxim-methyl	45 - 2572	ND*	Trifloxystrobin	42 - 2572	ND*

* ND = None Detected (Defined by Dynamic Range of the method)

N/A

FINAL APPROVAL


 Tyler Wiese
 1-Mar-2021
 12:03 PM


 Ben Minton
 1-Mar-2021
 1:06 PM

PREPARED BY / DATE

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1500mg Mint Tincture *Full Spec Analysis


Batch ID:	544653	Test ID:	T000125695
Type:	Other	Submitted:	02/23/2021 @ 10:57 AM
Test:	Metals	Started:	2/26/2021
Method:	TM19	Reported:	3/1/2021

HEAVY METALS


Analyte	Dynamic Range (ppm)	Result (ppm)
Arsenic	0.065 - 6.51	ND
Cadmium	0.068 - 6.78	ND
Mercury	0.067 - 6.72	ND
Lead	0.067 - 6.65	ND

* ND = None Detected (Defined by Dynamic Range of the method)

FINAL APPROVAL


Daniel Weidensaul
1-Mar-2021
12:44 PM

PREPARED BY / DATE


Greg Zimpfer
1-Mar-2021
2:45 PM

APPROVED BY / DATE

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