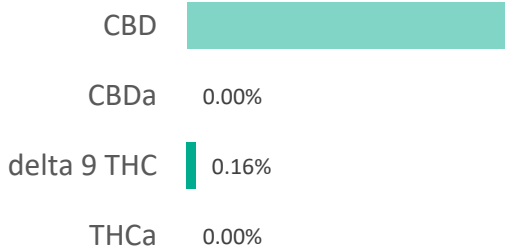
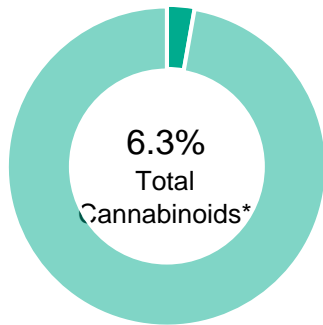


ESSENTIAL DIGESTION TINCTURE

Batch ID:	200504	Test ID:	T000096428
Reported:	17-Sep-2020	Method:	TM14
Type:	Concentrate		
Test:	Potency		

CANNABINOID PROFILE


Compound	LOQ (%)	Result (%)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.03	ND	ND
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.01	0.16	1.6
Cannabidiolic acid (CBDA)	0.02	ND	ND
Cannabidiol (CBD)	0.04	5.60	56.0
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.02	ND	ND
Cannabinolic Acid (CBNA)	0.04	ND	ND
Cannabinol (CBN)	0.02	0.02	0.2
Cannabigerolic acid (CBGA)	0.03	ND	ND
Cannabigerol (CBG)	0.01	0.49	4.9
Tetrahydrocannabivarinic Acid (THCVA)	0.02	ND	ND
Tetrahydrocannabivarin (THCV)	0.01	ND	ND
Cannabidivarinic Acid (CBDVA)	0.02	ND	ND
Cannabidivarin (CBDV)	0.01	ND	ND
Cannabichromenic Acid (CBCA)	0.02	ND	ND
Cannabichromene (CBC)	0.03	0.03	0.3
Total Cannabinoids		6.30	63.0
Total Potential THC**		0.16	1.6
Total Potential CBD**		5.60	56.0

NOTES:

N/A

% = % (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)

FINAL APPROVAL


 Daniel Weidensaul
 17-Sep-2020
 2:28 PM



 Greg Zimpfer
 17-Sep-2020
 3:27 PM

PREPARED BY / DATE

APPROVED BY / DATE

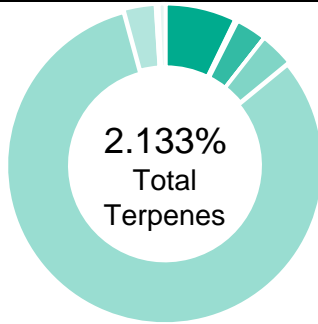
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Certificate #4329.02

ESSENTIAL DIGESTION TINCTURE

Batch ID:	200504	Test ID:	4050321.007
Reported:	21-Sep-2020	Method:	TM10
Type:	Concentrate		
Test:	Terpenes		

TERPENE PROFILE




Compound	%(w/w)	mg/g
(-)-alpha-Bisabolol	0.013	0.13
Camphene	0.016	0.16
delta-3-Carene	0.000	0
beta-Caryophyllene	0.062	0.62
(-)-Caryophyllene Oxide	0.005	0.05
p-Cymene	0.062	0.62
Eucalyptol	0.025	0.25
Geraniol	0.045	0.45
alpha-Humulene	0.006	0.06
(-)-Isopulegol	0.000	0
d-Limonene	0.067	0.67
Linalool	1.569	15.69
beta-Myrcene	0.060	0.6
cis-Nerolidol	0.000	0
trans-Nerolidol	0.000	0
Ocimene	0.000	0
beta-Ocimene	0.000	0
alpha-Pinene	0.138	1.38
(-)-beta-Pinene	0.005	0.05
alpha-Terpinene	0.000	0
gamma-Terpinene	0.054	0.54
Terpinolene	0.006	0.06
	2.133%	21.33

PREDOMINANT TERPENES

alpha-Pinene	0.138%
(-)-beta-Pinene	0.005%
beta-Myrcene	0.060%
delta-3-Carene	0.000%
alpha-Terpinene	0.000%
d-Limonene	0.067%
Linalool	1.569%
beta-Caryophyllene	0.062%
alpha-Humulene	0.006%
(-)-alpha-Bisabolol	0.013%

 NOTES:
 0

FINAL APPROVAL

 Daniel Weidensaul 21-Sep-2020 12:39 PM	 Greg Zimpfer 21-Sep-2020 8:53 PM
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PREPARED BY / DATE

APPROVED BY / DATE

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Certificate #4329.02

ESSENTIAL DIGESTION TINCTURE

Batch ID:	200504	Test ID:	T000096429
Reported:	17-Sep-2020	Method:	TM04
Type:	Concentrate		
Test:	Residual Solvents		

RESIDUAL SOLVENTS

Solvent	Dynamic Range (ppm)	Result (ppm)
Propane	77 - 1542	*ND
Butanes (Isobutane, n-Butane)	162 - 3241	*ND
Methanol	64 - 1288	*ND
Pentane	94 - 1881	*ND
Ethanol	95 - 1891	*ND
Acetone	107 - 2135	*ND
Isopropyl Alcohol	110 - 2206	*ND
Hexane	6 - 118	*ND
Ethyl Acetate	102 - 2050	*ND
Benzene	0.2 - 4.2	*ND
Heptanes	101 - 2028	*ND
Toluene	20 - 391	*ND
Xylenes (m,p,o-Xylenes)	142 - 2845	*ND

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

NOTES:
N/A

FINAL APPROVAL


 Sam Smith
 17-Sep-2020
 3:22 PM

PREPARED BY / DATE


 Greg Zimpfer
 17-Sep-2020
 3:58 PM

APPROVED BY / DATE

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Certificate #4329.02

CBD DISTILLATE

Batch ID:	BH-DST-CBD-1-200815	Test ID:	T000090441
Reported:	17-Aug-2020	Method:	TM04
Type:	Concentrate		
Test:	Residual Solvents		


RESIDUAL SOLVENTS

Solvent	Dynamic Range (ppm)	Result (ppm)
Propane	98 - 1959	*ND
Butanes (Isobutane, n-Butane)	148 - 2969	*ND
Methanol	63 - 1257	*ND
Pentane	88 - 1758	*ND
Ethanol	86 - 1717	*ND
Acetone	103 - 2050	*ND
Isopropyl Alcohol	107 - 2144	*ND
Hexane	6 - 123	*ND
Ethyl Acetate	103 - 2054	*ND
Benzene	0.2 - 4.1	*ND
Heptanes	95 - 1908	*ND
Toluene	19 - 373	*ND
Xylenes (m,p,o-Xylenes)	135 - 2704	*ND

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


NOTES:
N/A

FINAL APPROVAL



Ryan Weems
17-Aug-2020
6:12 PM

PREPARED BY / DATE



Scott Hanson
17-Aug-2020
7:42 PM

APPROVED BY / DATE

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Certificate #4329.02

CBD DISTILLATE

Batch ID:	BH-DST-CBD-1-200815	Test ID:	t000090442
Reported:	17-Aug-2020	Method:	Concentrate - Test Methods: TM05, TM06
Type:	Concentrate		
Test:	Microbial Contaminants		

MICROBIAL CONTAMINANTS

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


Sarah Henning
17-Aug-2020
3:10 PM
Scott Hanson
17-Aug-2020
8:11 PM

PREPARED BY / DATE

APPROVED BY / DATE

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Certificate #4329.03

CBD DISTILLATE



Batch ID:	BH-DST-CBD-1-200815	Test ID:	T000090445
Reported:	18-Aug-2020	Method:	TM19
Type:	Concentrate		
Test:	Metals		

HEAVY METALS

Analyte	Dynamic Range (ppm)	Result (ppm)
Arsenic	0.068 - 6.84	ND
Cadmium	0.069 - 6.91	ND
Mercury	0.093 - 9.26	ND
Lead	0.069 - 6.92	ND

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

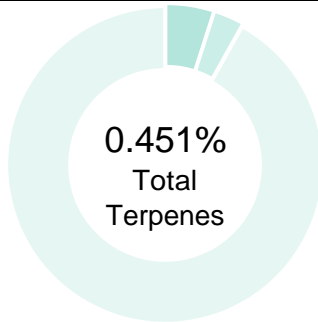
FINAL APPROVAL


PREPARED BY / DATE
Ryan Weems
18-Aug-2020
10:32 AM
APPROVED BY / DATE
Greg Zimpfer
18-Aug-2020
11:50 AM

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CBD DISTILLATE

Batch ID:	BH-DST-CBD-1-200815	Test ID:	6179197.001
Reported:	18-Aug-2020	Method:	TM10
Type:	Concentrate		
Test:	Terpenes		

TERPENE PROFILE


Compound	%(w/w)	mg/g
(-)-alpha-Bisabolol	0.352	3.52
Camphene	0.000	0
delta-3-Carene	0.000	0
beta-Caryophyllene	0.019	0.19
(-)-Caryophyllene Oxide	0.046	0.46
p-Cymene	0.000	0
Eucalyptol	0.000	0
Geraniol	0.000	0
alpha-Humulene	0.012	0.12
(-)-Isopulegol	0.000	0
d-Limonene	0.000	0
Linalool	0.000	0
beta-Myrcene	0.000	0
cis-Nerolidol	0.000	0
trans-Nerolidol	0.022	0.22
Ocimene	0.000	0
beta-Ocimene	0.000	0
alpha-Pinene	0.000	0
(-)-beta-Pinene	0.000	0
alpha-Terpinene	0.000	0
gamma-Terpinene	0.000	0
Terpinolene	0.000	0
	0.451%	4.51

PREDOMINANT TERPENES

alpha-Pinene	0.000%
(-)-beta-Pinene	0.000%
beta-Myrcene	0.000%
delta-3-Carene	0.000%
alpha-Terpinene	0.000%
d-Limonene	0.000%
Linalool	0.000%
beta-Caryophyllene	0.019%
alpha-Humulene	0.012%
(-)-alpha-Bisabolol	0.352%

NOTES:
 0

FINAL APPROVAL

 Michelle Gagnon 18-Aug-2020 1:42 PM	 Ben Minton 18-Aug-2020 2:37 PM
PREPARED BY / DATE	APPROVED BY / DATE

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Certificate #4329.02

CBD DISTILLATE

Batch ID:	BH-DST-CBD-1-200815	Test ID:	6488737.0018
Reported:	18-Aug-2020	Method:	TM17
Type:	Concentrate		
Test:	Pesticides		


PESTICIDE RESIDUE

Compound	Dynamic Range (ppb)	Result (ppb)	Compound	Dynamic Range (ppb)	Result (ppb)
Acephate	41 - 2528	ND*	Malathion	294 - 2528	ND*
Acetamiprid	41 - 2528	ND*	Metalaxyl	46 - 2528	ND*
Abamectin	>301	ND*	Methiocarb	42 - 2528	ND*
Azoxystrobin	43 - 2528	ND*	Methomyl	43 - 2528	ND*
Bifenazate	31 - 2528	ND*	MGK 264 1	175 - 2528	ND*
Boscalid	38 - 2528	ND*	MGK 264 2	109 - 2528	ND*
Carbaryl	40 - 2528	ND*	Myclobutanil	45 - 2528	ND*
Carbofuran	44 - 2528	ND*	Naled	47 - 2528	ND*
Chlorantraniliprole	36 - 2528	ND*	Oxamyl	42 - 2528	ND*
Chlorpyrifos	44 - 2528	ND*	Paclobutrazol	46 - 2528	ND*
Clofentezine	306 - 2528	ND*	Permethrin	293 - 2528	ND*
Diazinon	290 - 2528	ND*	Phosmet	45 - 2528	ND*
Dichlorvos	>291	ND*	Prophos	297 - 2528	ND*
Dimethoate	41 - 2528	ND*	Propoxur	45 - 2528	ND*
E-Fenproximate	293 - 2528	ND*	Pyridaben	299 - 2528	ND*
Etofenprox	42 - 2528	ND*	Spinosad A	30 - 2528	ND*
Etoxazole	301 - 2528	ND*	Spinosad D	78 - 2528	ND*
Fenoxycarb	>48	ND*	Spiromesifen	>278	ND*
Fipronil	38 - 2528	ND*	Spirotetramat	>306	ND*
Flonicamid	48 - 2528	ND*	Spiroxamine 1	20 - 2528	ND*
Fludioxonil	>309	ND*	Spiroxamine 2	24 - 2528	ND*
Hexythiazox	46 - 2528	ND*	Tebuconazole	298 - 2528	ND*
Imazalil	276 - 2528	ND*	Thiacloprid	42 - 2528	ND*
Imidacloprid	44 - 2528	ND*	Thiamethoxam	39 - 2528	ND*
Kresoxim-methyl	47 - 2528	ND*	Trifloxystrobin	44 - 2528	ND*

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

N/A

FINAL APPROVAL


 Tyler Wiese
 18-Aug-2020
 6:09 PM
 PREPARED BY / DATE


 Ben Minton
 18-Aug-2020
 6:28 PM
 APPROVED BY / DATE

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