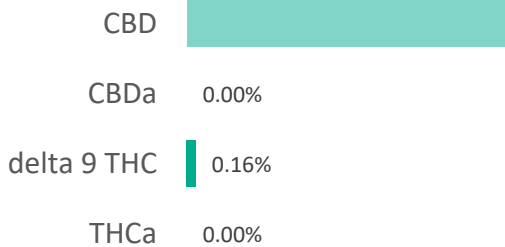
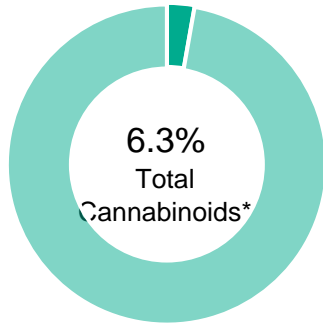


ESSENTIAL DIGESTION TINCTURE

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
<b>Total Cannabinoids</b>		<b>6.30</b>	<b>63.0</b>
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.  
 Total THC = THC + (THCa \*(0.877)) and  
 Total CBD = CBD + (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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**ESSENTIAL DIGESTION TINCTURE**

<b>Batch ID:</b>	200504	<b>Test ID:</b>	T000096429
<b>Reported:</b>	17-Sep-2020	<b>Method:</b>	TM04
<b>Type:</b>	Concentrate		
<b>Test:</b>	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

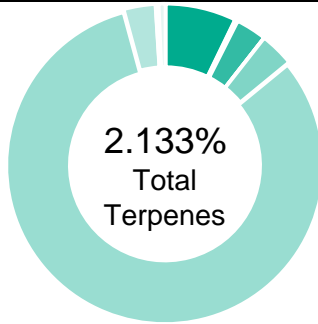
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Certificate #4329.02

**ESSENTIAL DIGESTION TINCTURE**

<b>Batch ID:</b>	200504	<b>Test ID:</b>	4050321.007
<b>Reported:</b>	21-Sep-2020	<b>Method:</b>	TM10
<b>Type:</b>	Concentrate		
<b>Test:</b>	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
	<b>2.133%</b>	<b>21.33</b>

**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
--	---

PREPARED BY / DATE

APPROVED BY / DATE

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Certificate #4329.02

## CBD DISTILLATE

<b>Batch ID:</b>	BH-DST-CBD-1-200815	<b>Test ID:</b>	T000090441
<b>Reported:</b>	17-Aug-2020	<b>Method:</b>	TM04
<b>Type:</b>	Concentrate		
<b>Test:</b>	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

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

## MICROBIAL CONTAMINANTS

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


<b>Batch ID:</b>	BH-DST-CBD-1-200815	<b>Test ID:</b>	T000090445
<b>Reported:</b>	18-Aug-2020	<b>Method:</b>	TM19
<b>Type:</b>	Concentrate		
<b>Test:</b>	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



Ryan Weems  
18-Aug-2020  
10:32 AM

PREPARED BY / DATE



Greg Zimpfer  
18-Aug-2020  
11:50 AM

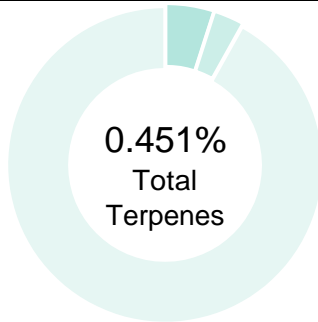
APPROVED BY / DATE

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### CBD DISTILLATE

<b>Batch ID:</b>	BH-DST-CBD-1-200815	<b>Test ID:</b>	6179197.001
<b>Reported:</b>	18-Aug-2020	<b>Method:</b>	TM10
<b>Type:</b>	Concentrate		
<b>Test:</b>	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
	<b>0.451%</b>	<b>4.51</b>

### 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**

<b>Batch ID:</b>	BH-DST-CBD-1-200815	<b>Test ID:</b>	6488737.0018
<b>Reported:</b>	18-Aug-2020	<b>Method:</b>	TM17
<b>Type:</b>	Concentrate		
<b>Test:</b>	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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