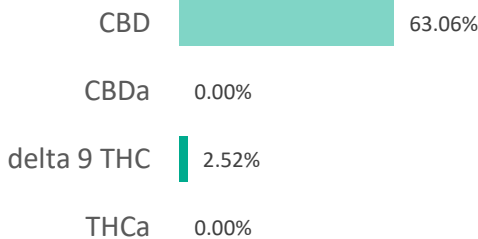
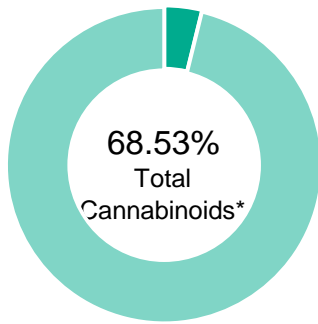


**CBD Oil Concentrate**

<b>Batch ID:</b>	CO2-YP5-14220-BULK18	<b>Test ID:</b>	5452589.001
<b>Reported:</b>	9-Jun-2020	<b>Method:</b>	TM14
<b>Type:</b>	Concentrate		
<b>Test:</b>	Potency		


**CANNABINOID PROFILE**



Compound	LOQ (%)	Result (%)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.18	ND	ND
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.09	2.52	25.2
Cannabidiolic acid (CBDA)	0.24	ND	ND
Cannabidiol (CBD)	0.13	63.06	630.6
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.10	0.14	1.4
Cannabinolic Acid (CBNA)	0.24	ND	ND
Cannabinol (CBN)	0.11	0.23	2.3
Cannabigerolic acid (CBGA)	0.15	ND	ND
Cannabigerol (CBG)	0.09	0.70	7.0
Tetrahydrocannabivarinic Acid (THCVA)	0.15	ND	ND
Tetrahydrocannabivarin (THCV)	0.08	ND	ND
Cannabidivarinic Acid (CBDVA)	0.22	ND	ND
Cannabidivarin (CBDV)	0.12	0.12	1.2
Cannabichromenic Acid (CBCA)	0.13	ND	ND
Cannabichromene (CBC)	0.16	1.76	17.6
<b>Total Cannabinoids</b>		<b>68.53</b>	<b>685.30</b>
Total Potential THC**		2.52	25.20
Total Potential CBD**		63.06	630.60

% = % (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)

NOTES:  
N/A

**FINAL APPROVAL**

  
 Tyler Wiese  
 9-Jun-2020  
 6:41 PM

  
 Ben Minton  
 9-Jun-2020  
 7:03 PM

PREPARED BY / DATE

APPROVED BY / DATE

Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of Botanacor Laboratories, LLC. ISO/IEC 17025:2005 Accredited A2LA Certificate Number 4329.02



## CBD Oil Concentrate

<b>Batch ID:</b>	CO2-YP5-14220-BULK18	<b>Test ID:</b>	T000079889
<b>Reported:</b>	14-Jun-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



Robert Belfon  
13-Jun-2020  
12:16 PM



Mike Branvold  
14-Jun-2020  
7:55 PM

PREPARED BY / DATE

APPROVED BY / DATE

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Certificate #4329.03

## CBD Oil Concentrate

<b>Batch ID:</b>	CO2-YP5-14220-BULK18	<b>Test ID:</b>	T000079892
<b>Reported:</b>	12-Jun-2020	<b>Method:</b>	TM19
<b>Type:</b>	Concentrate		
<b>Test:</b>	Metals		

## HEAVY METALS

Analyte	Dynamic Range (ppm)	Result (ppm)
Arsenic	0.087 - 8.75	ND
Cadmium	0.089 - 8.90	ND
Mercury	0.078 - 7.80	ND
Lead	0.089 - 8.87	ND

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

## FINAL APPROVAL

Morgan Ingraham  
12-Jun-2020  
12:43 PM

PREPARED BY / DATE

Ben Minton  
12-Jun-2020  
4:35 PM

APPROVED BY / DATE

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**CBD Oil Concentrate****Batch ID:** CO2-YP5-14220-BULK18**Test ID:** T000079888**Reported:** 11-Jun-2020**Method:** TM04**Type:** Concentrate**Test:** Residual Solvents**RESIDUAL SOLVENTS**

Solvent	Dynamic Range (ppm)	Result (ppm)
Propane	103 - 2053	*ND
Butanes (Isobutane, n-Butane)	174 - 3475	*ND
Methanol	68 - 1365	*ND
Pentane	98 - 1960	*ND
Ethanol	107 - 2143	*ND
Acetone	106 - 2123	*ND
Isopropyl Alcohol	123 - 2450	*ND
Hexane	7 - 132	*ND
Ethyl Acetate	110 - 2198	*ND
Benzene	0.2 - 4.3	*ND
Heptanes	100 - 1998	*ND
Toluene	19 - 390	*ND
Xylenes (m,p,o-Xylenes)	141 - 2825	*ND

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

NOTES:  
N/A**FINAL APPROVAL**Ryan Weems  
11-Jun-2020  
2:59 PM

PREPARED BY / DATE

Ben Minton  
11-Jun-2020  
6:01 PM

APPROVED BY / DATE

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Certificate #4329.02

**CBD Oil Concentrate**
**Batch ID:** CO2-YP5-14220-BULK18

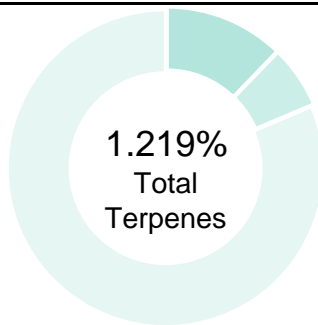
**Test ID:** 4433744.0011

**Reported:** 18-Jun-2020

**Method:** TM10

**Type:** Concentrate

**Test:** Terpenes

**TERPENE PROFILE**


Compound	%(w/w)	mg/g
(-)-alpha-Bisabolol	0.992	9.92
Camphene	0.000	0
delta-3-Carene	0.000	0
beta-Caryophyllene	0.149	1.49
(-)-Caryophyllene Oxide	0.000	0
p-Cymene	0.000	0
Eucalyptol	0.000	0
Geraniol	0.000	0
alpha-Humulene	0.078	0.78
(-)-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	0.000	0
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>1.219%</b>	<b>12.19</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	0.149%
alpha-Humulene	0.078%
(-)-alpha-Bisabolol	0.992%

**NOTES:**

0

**FINAL APPROVAL**


 Ryan Weems  
11-Jun-2020  
5:36 PM



 Ben Minton  
18-Jun-2020  
7:57 AM

PREPARED BY / DATE

APPROVED BY / DATE

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