

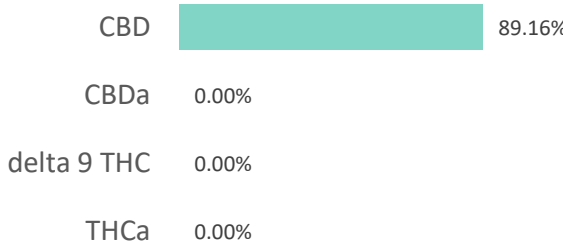
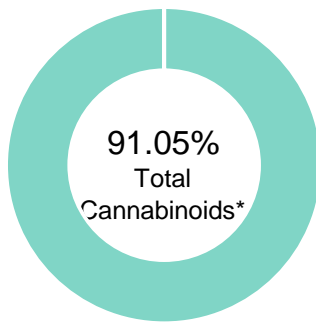


High Purity Low T CBD Distillate

September 2020

17\_20200827\_B12-17

<b>Batch ID:</b>	B12-17	<b>Test ID:</b>	T000093457
<b>Reported:</b>	2-Sep-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)	0.23	ND	ND
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.11	ND	ND
Cannabidiolic acid (CBDA)	0.33	ND	ND
Cannabidiol (CBD)	0.18	89.16	891.6
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.12	ND	ND
Cannabinolic Acid (CBNA)	0.31	ND	ND
Cannabinol (CBN)	0.14	ND	ND
Cannabigerolic acid (CBGA)	0.20	ND	ND
Cannabigerol (CBG)	0.11	1.42	14.2
Tetrahydrocannabivarinic Acid (THCVA)	0.19	ND	ND
Tetrahydrocannabivarin (THCV)	0.10	ND	ND
Cannabidivarinic Acid (CBDVA)	0.30	ND	ND
Cannabidivarin (CBDV)	0.17	0.47	4.7
Cannabichromenic Acid (CBCA)	0.17	ND	ND
Cannabichromene (CBC)	0.20	ND	ND
<b>Total Cannabinoids</b>		<b>91.05</b>	<b>910.5</b>
Total Potential THC**		ND	ND
Total Potential CBD**		89.16	891.6


**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  
 2-Sep-2020  
 2:44 PM



Greg Zimpfer  
 2-Sep-2020  
 3:54 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



17\_20200827\_B12-17

<b>Batch ID:</b>	B12-17	<b>Test ID:</b>	T000093458
<b>Reported:</b>	2-Sep-2020	<b>Method:</b>	TM20
<b>Type:</b>	Other		
<b>Test:</b>	Trace THC		

## TRACE THC/THCa PROFILE

Compound	Dynamic Range (%)	Result (%)	Result (mg/g)
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.001 - 0.697	0.076	0.76
Delta 9-Tetrahydrocannabinolic acid (THCa-A)	0.002 - 1.395	ND**	ND**
Total Potential THC*		0.076	0.76

## NOTES:

N/A

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

\* Total Potential THC 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))

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

\*\*\* ALOQ = Above Limit Of Quantitation (Defined by Dynamic Range of the method)

## FINAL APPROVAL

Ryan Weems  
2-Sep-2020  
11:27 AMGreg Zimpfer  
2-Sep-2020  
2:45 PM

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17\_20200827\_B12-17

<b>Batch ID:</b>	B12-17	<b>Test ID:</b>	T000093459
<b>Reported:</b>	2-Sep-2020	<b>Method:</b>	TM04
<b>Type:</b>	Concentrate		
<b>Test:</b>	Residual Solvents		

## RESIDUAL SOLVENTS

Solvent	Dynamic Range (ppm)	Result (ppm)
Propane	61 - 1225	*ND
Butanes (Isobutane, n-Butane)	130 - 2609	*ND
Methanol	53 - 1063	*ND
Pentane	76 - 1516	*ND
Ethanol	75 - 1502	*ND
Acetone	87 - 1733	*ND
Isopropyl Alcohol	90 - 1797	*ND
Hexane	5 - 105	*ND
Ethyl Acetate	87 - 1744	*ND
Benzene	0.2 - 3.5	*ND
Heptanes	82 - 1637	*ND
Toluene	16 - 317	*ND
Xylenes (m,p,o-Xylenes)	115 - 2300	*ND

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

NOTES:  
N/A

## FINAL APPROVAL

Daniel Weidensaul  
2-Sep-2020  
1:56 PMGreg Zimpfer  
2-Sep-2020  
3:34 PM

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APPROVED BY / DATE

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17\_20200827\_B12-17


<b>Batch ID:</b>	B12-17	<b>Test ID:</b>	T000093462
<b>Reported:</b>	3-Sep-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	47 - 2628	ND*	Malathion	295 - 2628	ND*
Acetamiprid	42 - 2628	ND*	Metalaxyl	43 - 2628	63
Abamectin	>365	ND*	Methiocarb	44 - 2628	ND*
Azoxystrobin	44 - 2628	ND*	Methomyl	47 - 2628	ND*
Bifenazate	46 - 2628	ND*	MGK 264 1	167 - 2628	ND*
Boscalid	51 - 2628	ND*	MGK 264 2	125 - 2628	ND*
Carbaryl	43 - 2628	ND*	Myclobutanil	44 - 2628	ND*
Carbofuran	45 - 2628	ND*	Naled	41 - 2628	ND*
Chlorantraniliprole	47 - 2628	ND*	Oxamyl	43 - 2628	ND*
Chlorpyrifos	57 - 2628	ND*	Paclobutrazol	47 - 2628	ND*
Clofentezine	295 - 2628	ND*	Permethrin	316 - 2628	ND*
Diazinon	303 - 2628	ND*	Phosmet	44 - 2628	ND*
Dichlorvos	>259	ND*	Prophos	331 - 2628	ND*
Dimethoate	43 - 2628	ND*	Propoxur	44 - 2628	ND*
E-Fenpyroximate	319 - 2628	ND*	Pyridaben	323 - 2628	ND*
Etofenprox	47 - 2628	ND*	Spinosad A	31 - 2628	ND*
Etoxazole	321 - 2628	ND*	Spinosad D	85 - 2628	ND*
Fenoxycarb	>41	ND*	Spiromesifen	>307	ND*
Fipronil	64 - 2628	ND*	Spirotetramat	>307	ND*
Flonicamid	51 - 2628	ND*	Spiroxamine 1	19 - 2628	ND*
Fludioxonil	>318	ND*	Spiroxamine 2	24 - 2628	ND*
Hexythiazox	43 - 2628	ND*	Tebuconazole	318 - 2628	ND*
Imazalil	283 - 2628	ND*	Thiacloprid	46 - 2628	ND*
Imidacloprid	42 - 2628	ND*	Thiamethoxam	46 - 2628	ND*
Kresoxim-methyl	42 - 2628	ND*	Trifloxystrobin	46 - 2628	ND*

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

N/A

**FINAL APPROVAL**

 Tyler Wiese  
 3-Sep-2020  
 8:03 PM

PREPARED BY / DATE


 Ben Minton  
 3-Sep-2020  
 9:32 PM

APPROVED BY / DATE

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17\_20200827\_B12-17

<b>Batch ID:</b>	B12-17	<b>Test ID:</b>	T000093463
<b>Reported:</b>	3-Sep-2020	<b>Method:</b>	TM19
<b>Type:</b>	Other		
<b>Test:</b>	Metals		

**HEAVY METALS**


Analyte	Dynamic Range (ppm)	Result (ppm)
Arsenic	0.073 - 7.33	ND
Cadmium	0.072 - 7.22	ND
Mercury	0.076 - 7.61	ND
Lead	0.074 - 7.36	ND

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

**FINAL APPROVAL**

Ryan Weems  
3-Sep-2020  
4:44 PM

PREPARED BY / DATE



Ben Minton  
3-Sep-2020  
5:07 PM

APPROVED BY / DATE

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17\_20200827\_B12-17

<b>Batch ID:</b>	B12-17	<b>Test ID:</b>	T000093460
<b>Reported:</b>	4-Sep-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>E. coli</b>	None Detected
<b>Salmonella</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

  
Mara Miller  
4-Sep-2020  
10:37 AM  
Greg Zimpfer  
4-Sep-2020  
12:59 PM

PREPARED BY / DATE

APPROVED BY / DATE

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