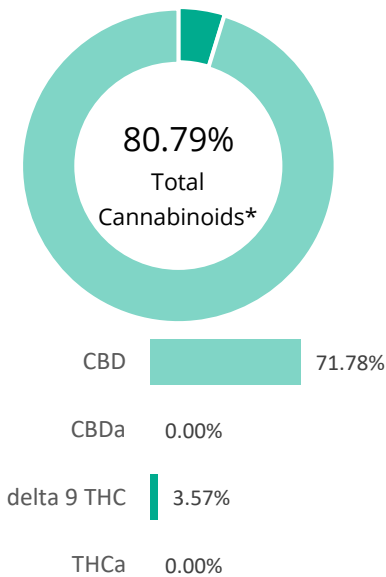


## CBD Full Spectrum Distillate

<b>Batch ID:</b>	HPCBD-0301-00014	<b>Test ID:</b>	T000142910
<b>Type:</b>	Concentrate	<b>Submitted:</b>	05/26/2021 @ 09:09 AM
<b>Test:</b>	Potency	<b>Started:</b>	5/27/2021
<b>Method:</b>	TM14	<b>Reported:</b>	5/28/2021

## CANNABINOID PROFILE



Compound	LOQ (%)	Result (%)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.12	ND	ND
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.13	3.57	35.7
Cannabidiolic acid (CBDA)	0.15	ND	ND
Cannabidiol (CBD)	0.15	71.78	717.8
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.15	ND	ND
Cannabinolic Acid (CBNA)	0.08	ND	ND
Cannabinol (CBN)	0.04	0.23	2.3
Cannabigerolic acid (CBGA)	0.12	ND	ND
Cannabigerol (CBG)	0.03	4.18	41.8
Tetrahydrocannabivarinic Acid (THCVA)	0.10	ND	ND
Tetrahydrocannabivarin (THCV)	0.03	0.04	0.4
Cannabidivarinic Acid (CBDVA)	0.06	ND	ND
Cannabidivarin (CBDV)	0.04	0.25	2.5
Cannabichromenic Acid (CBCA)	0.05	ND	ND
Cannabichromene (CBC)	0.05	0.74	7.4
<b>Total Cannabinoids</b>		<b>80.79</b>	<b>807.9</b>
Total Potential THC**		3.57	35.7
Total Potential CBD**		71.78	717.8

% = % (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


 Karen Winternheimer  
 28-May-2021  
 2:40 PM

PREPARED BY / DATE


 Daniel Weidensaul  
 28-May-2021  
 2:42 PM

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



Certificate #4329.02

## CBD Full Spectrum Distillate

<b>Batch ID:</b>	HPCBD-0301-00014	<b>Test ID:</b>	T000142913
<b>Type:</b>	Concentrate	<b>Submitted:</b>	05/26/2021 @ 09:09 AM
<b>Test:</b>	Residual Solvents	<b>Started:</b>	5/28/2021
<b>Method:</b>	TM04	<b>Reported:</b>	6/1/2021


## RESIDUAL SOLVENTS

Solvent	Dynamic Range (ppm)	Result (ppm)
<b>Propane</b>	62 - 1245	*ND
<b>Butanes</b> (Isobutane, n-Butane)	124 - 2483	*ND
<b>Methanol</b>	50 - 999	*ND
<b>Pentane</b>	71 - 1424	*ND
<b>Ethanol</b>	77 - 1541	*ND
<b>Acetone</b>	80 - 1590	*ND
<b>Isopropyl Alcohol</b>	84 - 1674	*ND
<b>Hexane</b>	5 - 98	*ND
<b>Ethyl Acetate</b>	81 - 1627	*ND
<b>Benzene</b>	0.2 - 3.3	*ND
<b>Heptanes</b>	77 - 1539	*ND
<b>Toluene</b>	15 - 295	*ND
<b>Xylenes</b> (m,p,o-Xylenes)	109 - 2182	*ND

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

 NOTES:  
 N/A

## FINAL APPROVAL


 Sam Smith  
 1-Jun-2021  
 12:35 PM

PREPARED BY / DATE


 Ryan Weems  
 1-Jun-2021  
 12:37 PM

APPROVED BY / DATE

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Certificate #4329.02

## CBD Full Spectrum Distillate

<b>Batch ID:</b>	HPCBD-0301-00014	<b>Test ID:</b>	T000142912
<b>Type:</b>	Concentrate	<b>Submitted:</b>	05/26/2021 @ 09:09 AM
<b>Test:</b>	Metals	<b>Started:</b>	5/26/2021
<b>Method:</b>	TM19	<b>Reported:</b>	5/27/2021

## HEAVY METALS

Analyte	Dynamic Range (ppm)	Result (ppm)
Arsenic	0.046 - 4.62	ND
Cadmium	0.044 - 4.39	ND
Mercury	0.045 - 4.45	ND
Lead	0.043 - 4.33	ND

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

## FINAL APPROVAL

  
Ryan Weems  
27-May-2021  
11:49 AM

PREPARED BY / DATE

  
Daniel Weidensaul  
27-May-2021  
11:50 AM

APPROVED BY / DATE

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## CBD Full Spectrum Distillate

<b>Batch ID:</b>	HPCBD-0301-00014	<b>Test ID:</b>	T000142911
<b>Type:</b>	Concentrate	<b>Submitted:</b>	05/26/2021 @ 09:09 AM
<b>Test:</b>	Pesticides	<b>Started:</b>	5/27/2021
<b>Method:</b>	TM17	<b>Reported:</b>	5/28/2021


## PESTICIDE RESIDUE

Compound	Dynamic Range (ppb)	Result (ppb)	Compound	Dynamic Range (ppb)	Result (ppb)
Acephate	39 - 2469	ND*	Malathion	278 - 2469	ND*
Acetamiprid	42 - 2469	ND*	Metalaxyl	40 - 2469	ND*
Abamectin	>316	ND*	Methiocarb	42 - 2469	ND*
Azoxystrobin	45 - 2469	ND*	Methomyl	42 - 2469	ND*
Bifenazate	25 - 2469	ND*	MGK 264 1	161 - 2469	ND*
Boscalid	40 - 2469	ND*	MGK 264 2	115 - 2469	ND*
Carbaryl	41 - 2469	ND*	Myclobutanil	43 - 2469	ND*
Carbofuran	41 - 2469	ND*	Naled	36 - 2469	ND*
Chlorantraniliprole	51 - 2469	ND*	Oxamyl	41 - 2469	ND*
Chlorpyrifos	42 - 2469	ND*	Pacllobutrazol	45 - 2469	ND*
Clofentezine	287 - 2469	ND*	Permethrin	260 - 2469	ND*
Diazinon	280 - 2469	ND*	Phosmet	43 - 2469	ND*
Dichlorvos	>273	ND*	Prophos	289 - 2469	ND*
Dimethoate	43 - 2469	ND*	Propoxur	41 - 2469	ND*
E-Fenpyroximate	306 - 2469	ND*	Pyridaben	304 - 2469	ND*
Etofenprox	39 - 2469	ND*	Spinosad A	28 - 2469	ND*
Etoxazole	301 - 2469	ND*	Spinosad D	82 - 2469	ND*
Fenoxycarb	>43	ND*	Spiromesifen	>285	ND*
Fipronil	52 - 2469	ND*	Spirotetramat	>295	ND*
Flonicamid	47 - 2469	ND*	Spiroxamine 1	19 - 2469	ND*
Fludioxonil	>256	ND*	Spiroxamine 2	24 - 2469	ND*
Hexythiazox	31 - 2469	ND*	Tebuconazole	296 - 2469	ND*
Imazalil	280 - 2469	ND*	Thiacloprid	43 - 2469	ND*
Imidacloprid	48 - 2469	ND*	Thiamethoxam	44 - 2469	ND*
Kresoxim-methyl	43 - 2469	ND*	Trifloxystrobin	45 - 2469	ND*


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

N/A

## FINAL APPROVAL


 Taylor Brevik  
 28-May-2021  
 2:34 PM

PREPARED BY / DATE


 Sam Smith  
 28-May-2021  
 2:37 PM

APPROVED BY / DATE

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