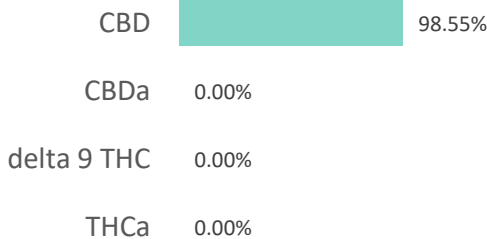
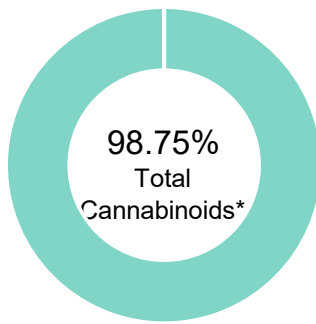


119 Bulk CBD Distillate - THC Free

Batch ID:	D0006CD-TF	Test ID:	T000090342
Reported:	14-Aug-2020	Method:	TM14
Type:	Concentrate		
Test:	Potency		

CANNABINOID PROFILE



Compound	LOQ (%)	Result (%)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.34	ND	ND
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.17	ND	ND
Cannabidiolic acid (CBDA)	0.19	ND	ND
Cannabidiol (CBD)	0.11	98.55	985.5
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.18	ND	ND
Cannabinolic Acid (CBNA)	0.46	ND	ND
Cannabinol (CBN)	0.20	ND	ND
Cannabigerolic acid (CBGA)	0.29	ND	ND
Cannabigerol (CBG)	0.17	ND	ND
Tetrahydrocannabivarinic Acid (THCVA)	0.29	ND	ND
Tetrahydrocannabivarin (THCV)	0.15	ND	ND
Cannabidivarinic Acid (CBDVA)	0.17	ND	ND
Cannabidivarin (CBDV)	0.10	0.20	2.0
Cannabichromenic Acid (CBCA)	0.25	ND	ND
Cannabichromene (CBC)	0.30	ND	ND
Total Cannabinoids		98.75	987.5
Total Potential THC**		ND	ND
Total Potential CBD**		98.55	985.5

% = % (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


 Ryan Weems
 14-Aug-2020
 1:39 PM


 Greg Zimpfer
 14-Aug-2020
 4:00 PM

PREPARED BY / DATE

APPROVED BY / DATE

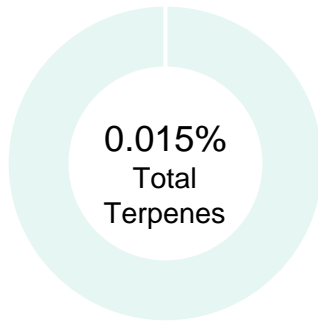
Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. 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



Certificate #4329.02

119 Bulk CBD Distillate - THC Free

Batch ID:	D0006CD-TF	Test ID:	8410520.0026
Reported:	14-Aug-2020	Method:	TM10
Type:	Concentrate		
Test:	Terpenes		

TERPENE PROFILE


Compound	%(w/w)	mg/g
(-)-alpha-Bisabolol	0.015	0.15
Camphene	0.000	0
delta-3-Carene	0.000	0
beta-Caryophyllene	0.000	0
(-)-Caryophyllene Oxide	0.000	0
p-Cymene	0.000	0
Eucalyptol	0.000	0
Geraniol	0.000	0
alpha-Humulene	0.000	0
(-)-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
	0.015%	0.15

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	0.000%
alpha-Humulene	0.000%
(-)-alpha-Bisabolol	0.015%

NOTES:

0

FINAL APPROVAL

 Michelle Gagnon 14-Aug-2020 11:54 AM	 Greg Zimpfer 14-Aug-2020 12:27 PM
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PREPARED BY / DATE

APPROVED BY / DATE

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Certificate #4329.02

119 Bulk CBD Distillate - THC Free

Batch ID:	D0006CD-TF	Test ID:	T000090343
Reported:	20-Aug-2020	Method:	TM04
Type:	Concentrate		
Test:	Residual Solvents		


RESIDUAL SOLVENTS

Solvent	Dynamic Range (ppm)	Result (ppm)
Propane	60 - 1207	*ND
Butanes (Isobutane, n-Butane)	128 - 2556	*ND
Methanol	52 - 1034	*ND
Pentane	74 - 1478	426
Ethanol	73 - 1467	*ND
Acetone	84 - 1689	*ND
Isopropyl Alcohol	88 - 1762	*ND
Hexane	5 - 102	*ND
Ethyl Acetate	85 - 1704	*ND
Benzene	0.2 - 3.4	*ND
Heptanes	79 - 1590	*ND
Toluene	15 - 310	*ND
Xylenes (m,p,o-Xylenes)	113 - 2262	*ND


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

NOTES:
N/A

FINAL APPROVAL

 Karen Winterheimer
20-Aug-2020
2:26 PM

PREPARED BY / DATE

 Ben Minton
20-Aug-2020
4:24 PM

APPROVED BY / DATE

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Certificate #4329.02

119 Bulk CBD Distillate - THC Free

Batch ID:	D0006CD-TF	Test ID:	6488737.006
Reported:	18-Aug-2020	Method:	TM17
Type:	Concentrate		
Test:	Pesticides		

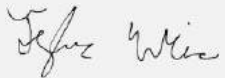
PESTICIDE RESIDUE

Compound	Dynamic Range (ppb)	Result (ppb)	Compound	Dynamic Range (ppb)	Result (ppb)
Acephate	40 - 2497	ND*	Malathion	291 - 2497	ND*
Acetamiprid	41 - 2497	ND*	Metalaxyl	45 - 2497	ND*
Abamectin	>298	ND*	Methiocarb	41 - 2497	ND*
Azoxystrobin	42 - 2497	ND*	Methomyl	42 - 2497	ND*
Bifenazate	31 - 2497	ND*	MGK 264 1	173 - 2497	ND*
Boscalid	38 - 2497	ND*	MGK 264 2	107 - 2497	ND*
Carbaryl	39 - 2497	ND*	Myclobutanil	44 - 2497	ND*
Carbofuran	44 - 2497	ND*	Naled	47 - 2497	ND*
Chlorantraniliprole	35 - 2497	ND*	Oxamyl	41 - 2497	ND*
Chlorpyrifos	43 - 2497	ND*	Paclobutrazol	46 - 2497	ND*
Clofentezine	302 - 2497	ND*	Permethrin	290 - 2497	ND*
Diazinon	287 - 2497	ND*	Phosmet	44 - 2497	ND*
Dichlorvos	>288	ND*	Prophos	293 - 2497	ND*
Dimethoate	41 - 2497	ND*	Propoxur	44 - 2497	ND*
E-Fenpyroximate	289 - 2497	ND*	Pyridaben	296 - 2497	ND*
Etofenprox	42 - 2497	ND*	Spinosad A	29 - 2497	ND*
Etoxazole	297 - 2497	ND*	Spinosad D	77 - 2497	ND*
Fenoxycarb	>48	ND*	Spiromesifen	>274	ND*
Fipronil	37 - 2497	ND*	Spirotetramat	>302	ND*
Flonicamid	47 - 2497	ND*	Spiroxamine 1	19 - 2497	ND*
Fludioxonil	>306	ND*	Spiroxamine 2	24 - 2497	ND*
Hexythiazox	45 - 2497	ND*	Tebuconazole	294 - 2497	ND*
Imazalil	272 - 2497	ND*	Thiacloprid	42 - 2497	ND*
Imidacloprid	44 - 2497	ND*	Thiamethoxam	38 - 2497	ND*
Kresoxim-methyl	46 - 2497	ND*	Trifloxystrobin	44 - 2497	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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119 Bulk CBD Distillate - THC Free

Batch ID:	D0006CD-TF	Test ID:	T000090347
Reported:	13-Aug-2020	Method:	TM19
Type:	Other		
Test:	Metals		

HEAVY METALS

Analyte	Dynamic Range (ppm)	Result (ppm)
Arsenic	0.074 - 7.39	ND
Cadmium	0.075 - 7.49	ND
Mercury	0.074 - 7.39	ND
Lead	0.075 - 7.47	ND

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

FINAL APPROVAL



Alex Smith
13-Aug-2020
2:37 PM

PREPARED BY / DATE



Ben Minton
13-Aug-2020
3:33 PM

APPROVED BY / DATE

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119 Bulk CBD Distillate - THC Free

Batch ID:	D0006CD-TF	Test ID:	T000090344
Reported:	16-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

Robert Belfon
16-Aug-2020
1:21 PM



Greg Zimpfer
16-Aug-2020
3:15 PM

PREPARED BY / DATE

APPROVED BY / DATE

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