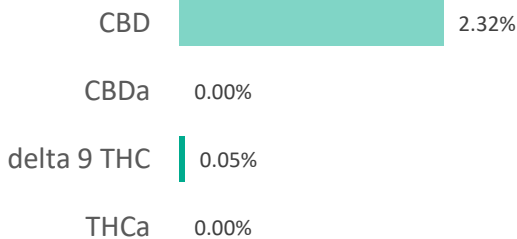


AG-CO-2007-002

Batch ID:		Test ID:	4622022.0029
Reported:	21-Jul-2020	Method:	TM14
Type:	Solution		
Test:	Potency		

CANNABINOID PROFILE


Compound	LOQ (mg/mL)	Result (mg/mL)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.36	ND	ND
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.18	0.50	0.5
Cannabidiolic acid (CBDA)	0.77	ND	ND
Cannabidiol (CBD)	0.43	22.00	23.2
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.20	ND	ND
Cannabinolic Acid (CBNA)	0.49	ND	ND
Cannabinol (CBN)	0.22	ND	ND
Cannabigerolic acid (CBGA)	0.31	ND	ND
Cannabigerol (CBG)	0.18	0.50	0.5
Tetrahydrocannabivarinic Acid (THCVA)	0.31	ND	ND
Tetrahydrocannabivarin (THCV)	0.16	ND	ND
Cannabidivarinic Acid (CBDVA)	0.71	ND	ND
Cannabidivarin (CBDV)	0.39	ND	ND
Cannabichromenic Acid (CBCA)	0.27	ND	ND
Cannabichromene (CBC)	0.32	0.80	0.8
Total Cannabinoids		23.80	25.04
Total Potential THC**		0.50	0.49
Total Potential CBD**		22.00	23.24

NOTES:

Density = 0.9466g/mL

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

Tyler Wiese
 Tyler Wiese
 21-Jul-2020
 4:22 PM

Ben Minton
 Ben Minton
 21-Jul-2020
 5:19 PM

PREPARED BY / DATE

APPROVED BY / DATE

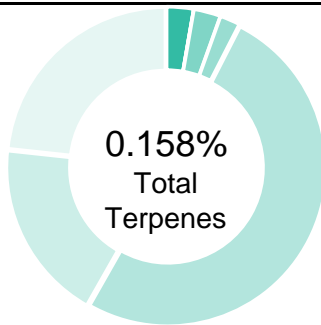
Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods.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

AG-CO-2007-002

Batch ID:		Test ID:	6823133.0018
Reported:	20-Jul-2020	Method:	TM10
Type:	Concentrate		
Test:	Terpenes		

TERPENE PROFILE




Compound	%(w/w)	mg/g
(-)-alpha-Bisabolol	0.034	0.34
Camphene	0.000	0
delta-3-Carene	0.000	0
beta-Caryophyllene	0.074	0.74
(-)-Caryophyllene Oxide	0.011	0.11
p-Cymene	0.000	0
Eucalyptol	0.001	0.01
Geraniol	0.000	0
alpha-Humulene	0.027	0.27
(-)-Isopulegol	0.000	0
d-Limonene	0.004	0.04
Linalool	0.003	0.03
beta-Myrcene	0.004	0.04
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
	0.158%	1.58

PREDOMINANT TERPENES

alpha-Pinene	0.000%
(-)-beta-Pinene	0.000%
beta-Myrcene	0.004%
delta-3-Carene	0.000%
alpha-Terpinene	0.000%
d-Limonene	0.004%
Linalool	0.003%
beta-Caryophyllene	0.074%
alpha-Humulene	0.027%
(-)-alpha-Bisabolol	0.034%

 NOTES:
 0

FINAL APPROVAL

 Ryan Weems 20-Jul-2020 4:49 PM	 Greg Zimpfer 20-Jul-2020 7:09 PM
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Certificate #4329.02

AG-CO-2007-002


Batch ID:		Test ID:	1377760.002
Reported:	23-Jul-2020	Method:	TM17
Type:	Concentrate		
Test:	Pesticides		

PESTICIDE RESIDUE

Compound	Dynamic Range (ppb)	Result (ppb)	Compound	Dynamic Range (ppb)	Result (ppb)
Acephate	43 - 2479	ND*	Malathion	291 - 2479	ND*
Acetamiprid	45 - 2479	ND*	Metalaxyl	41 - 2479	ND*
Abamectin	>309	ND*	Methiocarb	44 - 2479	ND*
Azoxystrobin	42 - 2479	ND*	Methomyl	42 - 2479	ND*
Bifenazate	38 - 2479	ND*	MGK 264 1	172 - 2479	ND*
Boscalid	38 - 2479	ND*	MGK 264 2	109 - 2479	ND*
Carbaryl	42 - 2479	ND*	Myclobutanil	43 - 2479	ND*
Carbofuran	44 - 2479	ND*	Naled	44 - 2479	ND*
Chlorantraniliprole	48 - 2479	ND*	Oxamyl	41 - 2479	ND*
Chlorpyrifos	53 - 2479	ND*	Paclobutrazol	45 - 2479	ND*
Clofentezine	282 - 2479	ND*	Permethrin	298 - 2479	ND*
Diazinon	296 - 2479	ND*	Phosmet	43 - 2479	ND*
Dichlorvos	>276	ND*	Prophos	297 - 2479	ND*
Dimethoate	44 - 2479	ND*	Propoxur	43 - 2479	ND*
E-Fenpyroximate	247 - 2479	ND*	Pyridaben	292 - 2479	ND*
Etofenprox	43 - 2479	ND*	Spinosad A	31 - 2479	ND*
Etoxazole	308 - 2479	ND*	Spinosad D	82 - 2479	ND*
Fenoxycarb	>41	ND*	Spiromesifen	>280	ND*
Fipronil	22 - 2479	ND*	Spirotetramat	>279	ND*
Flonicamid	47 - 2479	ND*	Spiroxamine 1	18 - 2479	ND*
Fludioxonil	>301	ND*	Spiroxamine 2	25 - 2479	ND*
Hexythiazox	44 - 2479	ND*	Tebuconazole	289 - 2479	ND*
Imazalil	273 - 2479	ND*	Thiacloprid	44 - 2479	ND*
Imidacloprid	43 - 2479	ND*	Thiamethoxam	44 - 2479	ND*
Kresoxim-methyl	41 - 2479	ND*	Trifloxystrobin	41 - 2479	ND*

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

N/A

FINAL APPROVAL

 Tyler Wiese
 23-Jul-2020
 3:06 PM
 PREPARED BY / DATE


 Ben Minton
 23-Jul-2020
 6:21 PM
 APPROVED BY / DATE

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AG-CO-2007-002

Batch ID:	N/A	Test ID:	T000086369
Reported:	20-Jul-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
<i>E. coli</i>	None Detected
<i>Salmonella</i>	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

FINAL APPROVAL


Mara Miller
20-Jul-2020
11:28 AM
Greg Zimpfer
20-Jul-2020
2:37 PM

PREPARED BY / DATE

APPROVED BY / DATE

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Certificate #4329.03

AG-CO-2007-002


Batch ID:	N/A	Test ID:	T000086372
Reported:	20-Jul-2020	Method:	TM19
Type:	Other		
Test:	Metals		

HEAVY METALS

Analyte	Dynamic Range (ppm)	Result (ppm)
Arsenic	0.074 - 7.39	ND
Cadmium	0.073 - 7.30	ND
Mercury	0.075 - 7.48	ND
Lead	0.079 - 7.92	ND


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

FINAL APPROVAL



Ryan Weems
20-Jul-2020
4:59 PM

PREPARED BY / DATE



Greg Zimpfer
20-Jul-2020
6:48 PM

APPROVED BY / DATE

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AG-CO-2007-002

Batch ID:		Test ID:	T000086368
Reported:	20-Jul-2020	Method:	TM04
Type:	Concentrate		
Test:	Residual Solvents		

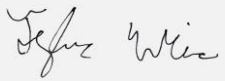
RESIDUAL SOLVENTS

Solvent	Dynamic Range (ppm)	Result (ppm)
Propane	86 - 1726	*ND
Butanes (Isobutane, n-Butane)	160 - 3192	*ND
Methanol	58 - 1168	*ND
Pentane	91 - 1821	*ND
Ethanol	92 - 1842	*ND
Acetone	94 - 1883	*ND
Isopropyl Alcohol	101 - 2027	*ND
Hexane	6 - 120	*ND
Ethyl Acetate	90 - 1796	*ND
Benzene	0.2 - 3.5	*ND
Heptanes	87 - 1737	*ND
Toluene	17 - 347	*ND
Xylenes (m,p,o-Xylenes)	126 - 2525	*ND

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


NOTES:
N/A

FINAL APPROVAL



Tyler Wiese
20-Jul-2020
7:26 PM

PREPARED BY / DATE



Greg Zimpfer
20-Jul-2020
7:32 PM

APPROVED BY / DATE

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