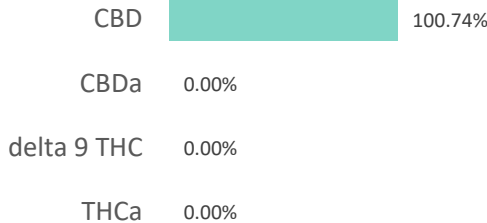
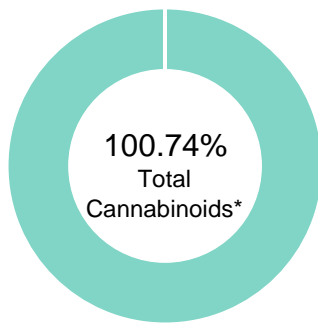


0022-01-006

Batch ID:		Test ID:	4839826.0015
Reported:	19-Nov-2019	Method:	TM14
Type:	Concentrate		
Test:	Potency		

CANNABINOID PROFILE


Compound	LOQ (%)	Result (%)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.31	0.00	0.0
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.16	0.00	0.0
Cannabidiolic acid (CBDA)	0.29	0.00	0.0
Cannabidiol (CBD)	0.16	100.74	1007.4
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.17	0.00	0.0
Cannabinolic Acid (CBNA)	0.43	0.00	0.0
Cannabinol (CBN)	0.19	0.00	0.0
Cannabigerolic acid (CBGA)	0.27	0.00	0.0
Cannabigerol (CBG)	0.15	0.00	0.0
Tetrahydrocannabivarinic Acid (THCVA)	0.27	0.00	0.0
Tetrahydrocannabivarin (THCV)	0.14	0.00	0.0
Cannabidivarinic Acid (CBDVA)	0.27	0.00	0.0
Cannabidivarin (CBDV)	0.15	0.00	0.0
Cannabichromenic Acid (CBCA)	0.23	0.00	0.0
Cannabichromene (CBC)	0.28	0.00	0.0
Total Cannabinoids		100.74	1007.40
Total Potential THC**		0.00	0.00
Total Potential CBD**		100.74	1007.40


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.

$$\text{Total THC} = \text{THC} + (\text{THCa} * (0.877)) \text{ and Total CBD} = \text{CBD} + (\text{CBDa} * (0.877))$$
FINAL APPROVAL


Sam Smith
19-Nov-2019
3:23 PM

PREPARED BY / DATE



David Green
19-Nov-2019
3:59 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



0022-01-006

Batch ID:	N/A	Test ID:	2465818.015
Reported:	22-Nov-2019	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
22-Nov-2019
4:43 PM



David Green
22-Nov-2019
6:10 PM

PREPARED BY / DATE

APPROVED BY / DATE

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0022-01-006

Batch ID:	N/A	Test ID:	T000036364
Reported:	5-Dec-2019	Method:	Arsenic = Arsenic EPA 6020A (mod), Cadmium = Cadmium EPA 6020A (mod), Lead = Lead EPA 6020A (mod), Mercury = Mercury EPA 6020A (mod)
Type:	Concentrate		
Test:	Metals		

HEAVY METALS

Compound	Reporting Limit (ppm)	Result (ppm)
Arsenic	0.05	<0.05
Cadmium	0.05	<0.05
Lead	0.05	<0.05
Mercury	0.05	<0.05

FINAL APPROVAL

Sam Smith
5-Dec-2019
8:45 AM

PREPARED BY / DATE

Greg Zimpfer
5-Dec-2019
8:58 AM

APPROVED BY / DATE

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0022-01-006


Batch ID:		Test ID:	2559202.0023
Reported:	23-Nov-2019	Method:	TM17
Type:	Concentrate		
Test:	Pesticides		

PESTICIDE RESIDUE

Compound	Dynamic Range (ppb)	Result (ppb)	Compound	Dynamic Range (ppb)	Result (ppb)
Acephate	48 - 2201	ND*	Malathion	48 - 2201	ND*
Acetamiprid	48 - 2201	ND*	Metalaxyl	285 - 2201	ND*
Avermectin	285 - 2201	ND*	Methiocarb	48 - 2201	ND*
Azoxystrobin	48 - 2201	ND*	Methomyl	48 - 2201	ND*
Bifenazate	48 - 2201	ND*	MGK 264 1	48 - 2201	ND*
Boscalid	285 - 2201	ND*	MGK 264 2	285 - 2201	ND*
Carbaryl	48 - 2201	ND*	Myclobutanil	285 - 2201	ND*
Carbofuran	48 - 2201	ND*	Naled	285 - 2201	ND*
Chlorantraniliprole	48 - 2201	ND*	Oxamyl	48 - 2201	ND*
Chlorpyrifos	285 - 2201	ND*	Paclobutrazol	48 - 2201	ND*
Clofentezine	48 - 2201	ND*	Permethrin	285 - 2201	ND*
Diazinon	48 - 2201	ND*	Phosmet	48 - 2201	ND*
Dichlorvos	285 - 2201	ND*	Prophos	285 - 2201	ND*
Dimethoate	48 - 2201	ND*	Propoxur	285 - 2201	ND*
E-Fenpyroximate	285 - 2201	ND*	Pyridaben	285 - 2201	ND*
Etofenprox	285 - 2201	ND*	Spinosad A	48 - 2201	ND*
Etoxazole	285 - 2201	ND*	Spinosad D	285 - 2201	ND*
Fenoxycarb	48 - 2201	ND*	Spiromesifen	48 - 2201	ND*
Fipronil	285 - 2201	ND*	Spirotetramat	285 - 2201	ND*
Flonicamid	48 - 2201	ND*	Spiroxamine 1	48 - 2201	ND*
Fludioxonil	285 - 2201	ND*	Spiroxamine 2	48 - 2201	ND*
Hexythiazox	285 - 2201	ND*	Tebuconazole	48 - 2201	ND*
Imazalil	285 - 2201	ND*	Thiacloprid	48 - 2201	ND*
Imidacloprid	48 - 2201	ND*	Thiamethoxam	48 - 2201	ND*
Kresoxim-methyl	48 - 2201	ND*	Trifloxystrobin	285 - 2201	ND*

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

N/A

FINAL APPROVAL


Chris Jungling
 23-Nov-2019
 8:03 AM

PREPARED BY / DATE



Mike Branvold
 23-Nov-2019
 4:59 PM

APPROVED BY / DATE

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0022-01-006

Batch ID:	N/A	Test ID:	1047895.004
Reported:	22-Nov-2019	Method:	TM04
Type:	Concentrate		
Test:	Residual Solvents		

RESIDUAL SOLVENTS

Solvent	Reportable Range (ppm)	Result (ppm)
Propane	100 - 2000	0
Butanes (Isobutane, n-Butane)	100 - 2000	0
Pentane	100 - 2000	312
Ethanol	100 - 2000	0
Acetone	100 - 2000	0
Isopropyl Alcohol	100 - 2000	0
Hexane	6 - 120	0
Benzene	0.2 - 4	0.0
Heptanes	100 - 2000	0
Toluene	18 - 360	0
Xylenes (m,p,o-Xylenes)	43 - 860	0

NOTES:

Free from visual mold, mildew, and foreign matter.

FINAL APPROVAL

 Alex Smith 22-Nov-2019 2:13 PM	 David Green 22-Nov-2019 5:33 PM
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PREPARED BY / DATE

APPROVED BY / DATE

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Certificate #4329.02