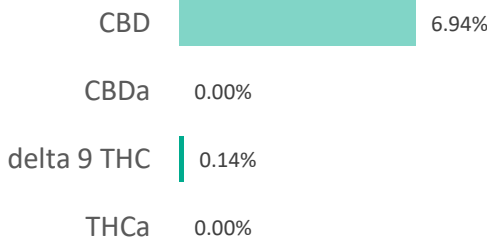
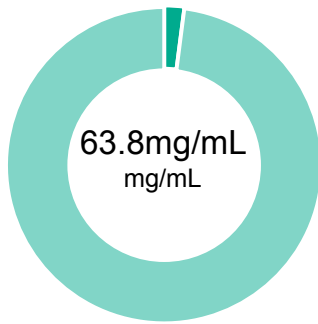


A022

Batch ID:		Test ID:	6707639.0025
Reported:	29-May-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)	0.59	ND	ND
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.29	1.30	1.4
Cannabidiolic acid (CBDA)	0.74	ND	ND
Cannabidiol (CBD)	0.42	63.80	69.4
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.32	ND	ND
Cannabinolic Acid (CBNA)	0.81	ND	ND
Cannabinol (CBN)	0.36	ND	ND
Cannabigerolic acid (CBGA)	0.51	ND	ND
Cannabigerol (CBG)	0.29	1.70	1.8
Tetrahydrocannabivarinic Acid (THCVA)	0.50	ND	ND
Tetrahydrocannabivarin (THCV)	0.26	ND	ND
Cannabidivarinic Acid (CBDVA)	0.69	ND	ND
Cannabidivarin (CBDV)	0.38	0.90	1.0
Cannabichromenic Acid (CBCA)	0.44	ND	ND
Cannabichromene (CBC)	0.53	2.40	2.6
Total Cannabinoids		70.10	76.16
Total Potential THC**		1.30	1.45
Total Potential CBD**		63.80	69.39

% = % (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:
 Density = 0.92g/mL
 N/A

FINAL APPROVAL


Ryan Weems
 29-May-2020
 2:24 PM


Ben Minton
 29-May-2020
 2:56 PM

PREPARED BY / DATE

APPROVED BY / DATE

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A022

Batch ID:	N/A	Test ID:	T000077807
Reported:	2-Jun-2020	Method:	TM19
Type:	Other		
Test:	Metals		

HEAVY METALS

Analyte	Dynmic Range (ppm)	Result (ppm)
Arsenic	0.063 - 6.31	ND
Cadmium	0.064 - 6.45	ND
Mercury	0.058 - 5.82	ND
Lead	0.062 - 6.19	ND

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

FINAL APPROVAL



Ryan Weems
2-Jun-2020
12:26 PM

PREPARED BY / DATE



Ben Minton
2-Jun-2020
5:25 PM

APPROVED BY / DATE

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A022

Batch ID:	N/A	Test ID:	T000077804
Reported:	31-May-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 APPROVALSarah Henning
31-May-2020
1:07 PMGreg Zimpfer
31-May-2020
7:21 PM

PREPARED BY / DATE

APPROVED BY / DATE

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Certificate #4329.03

A022


Batch ID:		Test ID:	6366377.0011
Reported:	1-Jun-2020	Method:	TM17
Type:	Concentrate		
Test:	Pesticides		


PESTICIDE RESIDUE

Compound	Dynamic Range (ppb)	Result (ppb)	Compound	Dynamic Range (ppb)	Result (ppb)
Acephate	51 - 2383	ND*	Malathion	309 - 2383	ND*
Acetamiprid	51 - 2383	ND*	Metalaxyl	51 - 2383	ND*
Abamectin	>309	ND*	Methiocarb	51 - 2383	ND*
Azoxystrobin	51 - 2383	ND*	Methomyl	51 - 2383	ND*
Bifenazate	51 - 2383	ND*	MGK 264 1	309 - 2383	ND*
Boscalid	51 - 2383	ND*	MGK 264 2	309 - 2383	ND*
Carbaryl	51 - 2383	ND*	Myclobutanil	51 - 2383	ND*
Carbofuran	51 - 2383	ND*	Naled	51 - 2383	ND*
Chlorantraniliprole	51 - 2383	ND*	Oxamyl	51 - 2383	ND*
Chlorpyrifos	51 - 2383	ND*	Paclobutrazol	51 - 2383	ND*
Clofentezine	309 - 2383	ND*	Permethrin	309 - 2383	ND*
Diazinon	309 - 2383	ND*	Phosmet	51 - 2383	ND*
Dichlorvos	>309	ND*	Prophos	309 - 2383	ND*
Dimethoate	51 - 2383	ND*	Propoxur	51 - 2383	ND*
E-Fenpyroximate	51 - 2383	ND*	Pyridaben	51 - 2383	ND*
Etofenprox	51 - 2383	ND*	Spinosad A	51 - 2383	ND*
Etoxazole	309 - 2383	ND*	Spinosad D	309 - 2383	ND*
Fenoxycarb	>51	ND*	Spiromesifen	>309	ND*
Fipronil	51 - 2383	ND*	Spirotetramat	>309	ND*
Flonicamid	51 - 2383	ND*	Spiroxamine 1	51 - 2383	ND*
Fludioxonil	>309	ND*	Spiroxamine 2	51 - 2383	ND*
Hexythiazox	51 - 2383	ND*	Tebuconazole	309 - 2383	ND*
Imazalil	309 - 2383	ND*	Thiacloprid	51 - 2383	ND*
Imidacloprid	51 - 2383	ND*	Thiamethoxam	51 - 2383	ND*
Kresoxim-methyl	51 - 2383	ND*	Trifloxystrobin	51 - 2383	ND*

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

N/A

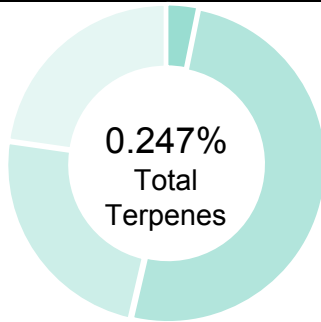
FINAL APPROVAL

 Tyler Wiese
 1-Jun-2020
 4:43 PM
 PREPARED BY / DATE


 Greg Zimpfer
 1-Jun-2020
 5:12 PM
 APPROVED BY / DATE

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A022

Batch ID:		Test ID:	9483610.0019
Reported:	2-Jun-2020	Method:	TM10
Type:	Concentrate		
Test:	Terpenes		

TERPENE PROFILE


Compound	%(w/w)	mg/g
(-)-alpha-Bisabolol	0.050	0.5
Camphene	0.000	0
delta-3-Carene	0.000	0
beta-Caryophyllene	0.111	1.11
(-)-Caryophyllene Oxide	0.023	0.23
p-Cymene	0.000	0
Eucalyptol	0.000	0
Geraniol	0.000	0
alpha-Humulene	0.052	0.52
(-)-Isopulegol	0.000	0
d-Limonene	0.000	0
Linalool	0.007	0.07
beta-Myrcene	0.000	0
cis-Nerolidol	0.000	0
trans-Nerolidol	0.004	0.04
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
	0.247%	2.47



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	0.007%
beta-Caryophyllene	0.111%
alpha-Humulene	0.052%
(-)-alpha-Bisabolol	0.050%

NOTES:

0

FINAL APPROVAL

 Ryan Weems 2-Jun-2020 3:55 PM	 Ben Minton 2-Jun-2020 6:15 PM
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PREPARED BY / DATE

APPROVED BY / DATE

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A022

Batch ID:		Test ID:	T000077803
Reported:	1-Jun-2020	Method:	TM04
Type:	Concentrate		
Test:	Residual Solvents		


RESIDUAL SOLVENTS

Solvent	Dynamic Range (ppm)	Result (ppm)
Propane	94 - 1888	*ND
Butanes (Isobutane, n-Butane)	189 - 3788	*ND
Methanol	59 - 1171	*ND
Pentane	81 - 1614	*ND
Ethanol	78 - 1570	123
Acetone	96 - 1928	*ND
Isopropyl Alcohol	101 - 2020	*ND
Hexane	6 - 117	*ND
Ethyl Acetate	96 - 1929	*ND
Benzene	0.2 - 3.9	*ND
Heptanes	88 - 1753	*ND
Toluene	18 - 351	*ND
Xylenes (m,p,o-Xylenes)	129 - 2580	*ND

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

NOTES:
N/A

FINAL APPROVAL


Ryan Weems
1-Jun-2020
3:00 PM
PREPARED BY / DATE
Greg Zimpfer
1-Jun-2020
4:39 PM
APPROVED BY / DATE

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