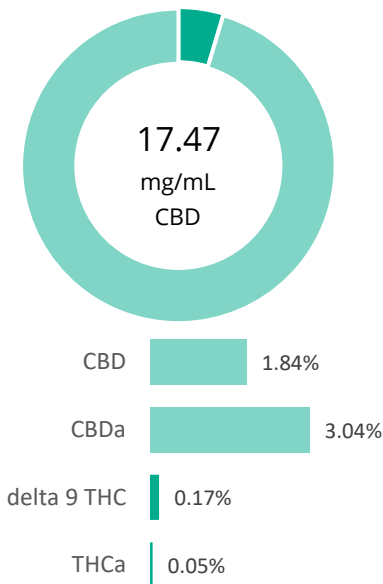


THS #19-2021_05

Batch ID:	BSB00019.5F HA-OR	Test ID:	t000142146
Type:	Solution	Submitted:	06/01/2021 @ 01:10 PM
Test:	Potency	Started:	6/3/2021
Method:	TM14	Reported:	6/4/2021

CANNABINOID PROFILE



Compound	LOQ (mg/mL)	Result (mg/mL)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.12	0.47	0.5
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.14	1.66	1.7
Cannabidiolic acid (CBDA)	0.16	28.85	30.4
Cannabidiol (CBD)	0.15	17.47	18.4
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.15	ND	ND
Cannabinolic Acid (CBNA)	0.09	ND	ND
Cannabinol (CBN)	0.04	ND	ND
Cannabigerolic acid (CBGA)	0.13	0.50	0.5
Cannabigerol (CBG)	0.03	0.43	0.5
Tetrahydrocannabivarinic Acid (THCVA)	0.11	ND	ND
Tetrahydrocannabivarin (THCV)	0.03	ND	ND
Cannabidivarinic Acid (CBDVA)	0.06	0.19	0.2
Cannabidivarin (CBDV)	0.04	0.09	0.1
Cannabichromenic Acid (CBCA)	0.05	2.48	2.6
Cannabichromene (CBC)	0.05	0.82	0.9
Total Cannabinoids		52.96	55.8
Total Potential THC**		2.07	2.2
Total Potential CBD**		42.77	45.1

% = % (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:

Density = 0.949153g/mL

FINAL APPROVAL

 Michele Gagnon 4-Jun-2021 2:55 PM	 Daniel Weidensaul 4-Jun-2021 4:24 PM
PREPARED BY / DATE	APPROVED BY / DATE

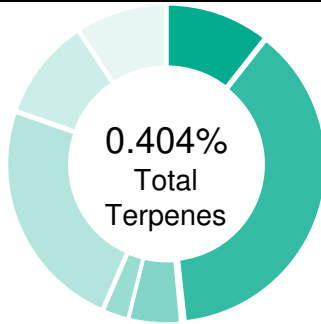
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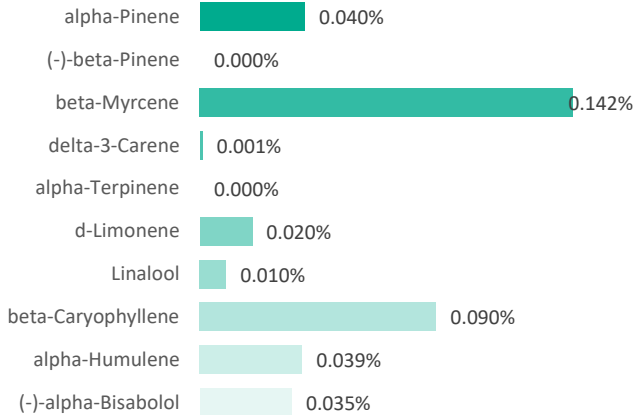
Certificate #4329.02

BSB00019.5 HA-OR



Batch ID:	5	Test ID:	t000120906
Type:	Concentrate	Submitted:	01/25/2021 @ 12:24 PM
Test:	Terpenes	Started:	1/26/2021
Method:	TM22	Reported:	1/27/2021

TERPENE PROFILE


Compound	%(w/w)	mg/g
(-)-alpha-Bisabolol	0.035	0.35
Camphene	0.000	0
delta-3-Carene	0.001	0.01
beta-Caryophyllene	0.090	0.9
(-)-Caryophyllene Oxide	0.000	0
p-Cymene	0.000	0
Eucalyptol	0.000	0
Geraniol	0.000	0
alpha-Humulene	0.039	0.39
(-)-Isopulegol	0.000	0
d-Limonene	0.020	0.2
Linalool	0.010	0.1
beta-Myrcene	0.142	1.42
cis-Nerolidol	0.000	0
trans-Nerolidol	0.005	0.05
Ocimene	0.001	0.01
beta-Ocimene	0.010	0.1
alpha-Pinene	0.040	0.4
(-)-beta-Pinene	0.000	0
alpha-Terpinene	0.000	0
gamma-Terpinene	0.001	0.01
Terpinolene	0.010	0.1
	0.404%	4.04

PREDOMINANT TERPENES

 NOTES:
 0

FINAL APPROVAL

 Daniel Weidensaul 27-Jan-2021 12:08 PM	 Ben Minton 27-Jan-2021 2:17 PM
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PREPARED BY / DATE

APPROVED BY / DATE

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Certificate #4329.02



BSB00019.5 HA-OR

Batch ID:	5	Test ID:	T000120911
Type:	Concentrate	Submitted:	01/25/2021 @ 12:24 PM
Test:	Density	Started:	1/27/2021
Method:	TL-SOP-0034	Reported:	1/27/2021


DENSITY


Value	Units
0.949153	g/mL

NOTES:

Free from visual mold, mildew, and foreign matter

FINAL APPROVAL


 Sam Smith
 27-Jan-2021
 2:04 PM


 Ben Minton
 27-Jan-2021
 2:21 PM

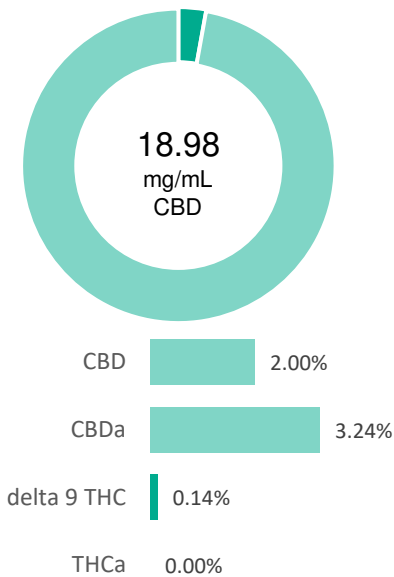
PREPARED BY / DATE

APPROVED BY / DATE

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BSB00019.5 HA-OR

Batch ID:	5	Test ID:	T000120905
Type:	Solution	Submitted:	01/25/2021 @ 12:24 PM
Test:	Potency	Started:	1/27/2021
Method:	TM14	Reported:	1/28/2021

CANNABINOID PROFILE


Compound	LOQ (mg/mL)	Result (mg/mL)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.54	ND	ND
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.61	1.34	1.4
Cannabidiolic acid (CBDA)	0.43	30.75	32.4
Cannabidiol (CBD)	0.42	18.98	20.0
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.67	ND	ND
Cannabinolic Acid (CBNA)	0.38	ND	ND
Cannabinol (CBN)	0.18	ND	ND
Cannabigerolic acid (CBGA)	0.56	ND	ND
Cannabigerol (CBG)	0.13	0.35	0.4
Tetrahydrocannabivarinic Acid (THCVA)	0.48	ND	ND
Tetrahydrocannabivarin (THCV)	0.12	ND	ND
Cannabidivarinic Acid (CBDVA)	0.18	0.19	0.2
Cannabidivarin (CBDV)	0.10	ND	ND
Cannabichromenic Acid (CBCA)	0.22	2.53	2.7
Cannabichromene (CBC)	0.24	0.79	0.8
Total Cannabinoids		54.93	57.9
Total Potential THC**		1.34	1.4
Total Potential CBD**		45.95	48.4

NOTES:

Density = 0.949153g/mL

% = % (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)

FINAL APPROVAL

 Mara Miller 28-Jan-2021 4:23 PM	 Ben Minton 28-Jan-2021 4:55 PM
--	---

PREPARED BY / DATE

APPROVED BY / DATE

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Certificate #4329.02

BSB00019.5 HA-OR

Batch ID:	5	Test ID:	T000120910
Type:	Concentrate	Submitted:	01/25/2021 @ 12:24 PM
Test:	Residual Solvents	Started:	1/28/2021
Method:	TM04	Reported:	1/29/2021

RESIDUAL SOLVENTS

Solvent	Dynamic Range (ppm)	Result (ppm)
Propane	103 - 2058	*ND
Butanes (Isobutane, n-Butane)	198 - 3965	*ND
Methanol	62 - 1241	*ND
Pentane	99 - 1977	*ND
Ethanol	110 - 2191	*ND
Acetone	101 - 2016	*ND
Isopropyl Alcohol	110 - 2197	*ND
Hexane	6 - 119	*ND
Ethyl Acetate	104 - 2078	*ND
Benzene	0.2 - 4.1	*ND
Heptanes	99 - 1981	*ND
Toluene	19 - 382	*ND
Xylenes (m,p,o-Xylenes)	146 - 2913	*ND


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

NOTES:
N/A

FINAL APPROVAL


Ryan Weems
29-Jan-2021
10:01 AM

PREPARED BY / DATE


Ben Minton
29-Jan-2021
2:55 PM

APPROVED BY / DATE

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Certificate #4329.02

BSB00019.5 HA-OR

Batch ID:	5	Test ID:	T000120908
Type:	Edible	Submitted:	01/25/2021 @ 12:24 PM
Test:	Microbial Contaminants	Started:	1/27/2021
Method:	TM24, TM25, TM26, TM27, TM28	Reported:	1/30/2021

MICROBIAL CONTAMINANTS

Contaminant	Result (CFU/g)*
Total Aerobic Count**	None Detected
Total Coliforms**	None Detected
Total Yeast and Molds**	None Detected
E. coli	Absent
E. coli (STEC)	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
30-Jan-2021
3:45 PM
Ben Minton
30-Jan-2021
6:40 PM

PREPARED BY / DATE

APPROVED BY / DATE

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Certificate #4329.03

BSB00019.5 HA-OR

Batch ID:	5	Test ID:	T000120907
Type:	Concentrate	Submitted:	01/25/2021 @ 12:24 PM
Test:	Pesticides	Started:	1/26/2021
Method:	TM17	Reported:	1/27/2021


PESTICIDE RESIDUE

Compound	Dynamic Range (ppb)	Result (ppb)	Compound	Dynamic Range (ppb)	Result (ppb)
Acephate	40 - 2325	ND*	Malathion	283 - 2325	ND*
Acetamiprid	40 - 2325	ND*	Metalaxyl	45 - 2325	ND*
Abamectin	>291	ND*	Methiocarb	43 - 2325	ND*
Azoxystrobin	41 - 2325	ND*	Methomyl	43 - 2325	ND*
Bifenazate	35 - 2325	ND*	MGK 264 1	168 - 2325	ND*
Boscalid	46 - 2325	ND*	MGK 264 2	114 - 2325	ND*
Carbaryl	41 - 2325	ND*	Myclobutanil	40 - 2325	ND*
Carbofuran	39 - 2325	ND*	Naled	48 - 2325	ND*
Chlorantraniliprole	41 - 2325	ND*	Oxamyl	43 - 2325	ND*
Chlorpyrifos	54 - 2325	ND*	Paclobutrazol	41 - 2325	ND*
Clofentezine	282 - 2325	ND*	Permethrin	291 - 2325	ND*
Diazinon	284 - 2325	ND*	Phosmet	43 - 2325	ND*
Dichlorvos	>269	ND*	Prophos	281 - 2325	ND*
Dimethoate	42 - 2325	ND*	Propoxur	42 - 2325	ND*
E-Fenpyroximate	279 - 2325	ND*	Pyridaben	277 - 2325	ND*
Etofenprox	38 - 2325	ND*	Spinosad A	28 - 2325	ND*
Etoxazole	275 - 2325	ND*	Spinosad D	76 - 2325	ND*
Fenoxycarb	>43	ND*	Spiromesifen	>260	ND*
Fipronil	26 - 2325	ND*	Spirotetramat	>281	ND*
Flonicamid	49 - 2325	ND*	Spiroxamine 1	19 - 2325	ND*
Fludioxonil	>296	ND*	Spiroxamine 2	22 - 2325	ND*
Hexythiazox	40 - 2325	ND*	Tebuconazole	274 - 2325	ND*
Imazalil	273 - 2325	ND*	Thiacloprid	43 - 2325	ND*
Imidacloprid	44 - 2325	ND*	Thiamethoxam	44 - 2325	ND*
Kresoxim-methyl	48 - 2325	ND*	Trifloxystrobin	41 - 2325	ND*


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

N/A

FINAL APPROVAL

 Tyler Wiese
 27-Jan-2021
 2:12 PM

PREPARED BY / DATE

 Ben Minton
 27-Jan-2021
 2:26 PM

APPROVED BY / DATE

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BSB00019.5 HA-OR


Batch ID:	5	Test ID:	T000120909
Type:	Other	Submitted:	01/25/2021 @ 12:24 PM
Test:	Metals	Started:	1/28/2021
Method:	TM19	Reported:	2/1/2021

HEAVY METALS


Analyte	Dynamic Range (ppm)	Result (ppm)
Arsenic	0.067 - 6.69	ND
Cadmium	0.067 - 6.74	ND
Mercury	0.070 - 7.01	ND
Lead	0.065 - 6.49	ND

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

FINAL APPROVAL


Ryan Weems
1-Feb-2021
2:19 PM

PREPARED BY / DATE


Ben Minton
1-Feb-2021
3:37 PM

APPROVED BY / DATE

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