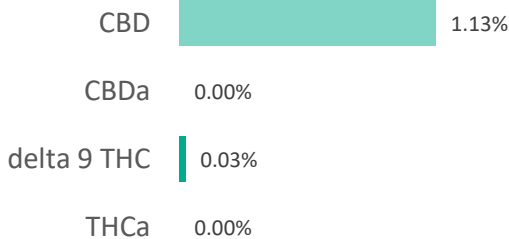


DOC'S HEMP (10mg/ml-30ml Unit)

Batch ID:	DH10MCT2001	Test ID:	5178480.0034
Reported:	5-Mar-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)	0.16	ND	ND
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.08	0.30	0.3
Cannabidiolic acid (CBDA)	0.18	ND	ND
Cannabidiol (CBD)	0.10	10.70	11.3
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.09	ND	ND
Cannabinolic Acid (CBNA)	0.22	ND	ND
Cannabinol (CBN)	0.10	ND	ND
Cannabigerolic acid (CBGA)	0.14	ND	ND
Cannabigerol (CBG)	0.08	0.20	0.2
Tetrahydrocannabivarinic Acid (THCVA)	0.14	ND	ND
Tetrahydrocannabivarin (THCV)	0.07	ND	ND
Cannabidivarinic Acid (CBDVA)	0.16	ND	ND
Cannabidivarin (CBDV)	0.09	ND	ND
Cannabichromenic Acid (CBCA)	0.12	ND	ND
Cannabichromene (CBC)	0.15	0.50	0.5
Total Cannabinoids		11.70	12.20
Total Potential THC**		0.30	0.26
Total Potential CBD**		10.70	11.28

NOTES:

Density = 0.951g/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


Taylor Brevik
5-Mar-2020
1:24 PM



Greg Zimpfer
5-Mar-2020
5:27 PM

PREPARED BY / DATE

APPROVED BY / DATE

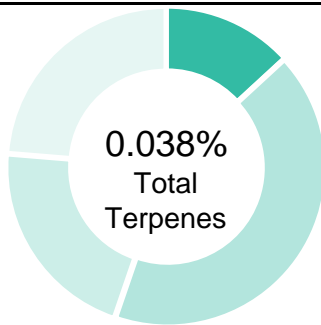
Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods.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

DOC'S HEMP (10mg/ml-30ml Unit)

Batch ID:	DH10MCT2001	Test ID:	3663603.0010
Reported:	6-Mar-2020	Method:	TM10
Type:	Concentrate		
Test:	Terpenes		

TERPENE PROFILE




Compound	%(w/w)	mg/g
(-)-alpha-Bisabolol	0.009	0.09
Camphene	N/A	N/A
delta-3-Carene	0.000	0
beta-Caryophyllene	0.016	0.16
(-)-Caryophyllene Oxide	0.000	0
p-Cymene	0.000	0
Eucalyptol	0.000	0
Geraniol	0.000	0
alpha-Humulene	0.008	0.08
(-)-Isopulegol	0.000	0
d-Limonene	0.000	0
Linalool	0.000	0
beta-Myrcene	0.005	0.05
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
	0.038%	0.38

PREDOMINANT TERPENES

alpha-Pinene	0.000%
(-)-beta-Pinene	0.000%
beta-Myrcene	0.005%
delta-3-Carene	0.000%
alpha-Terpinene	0.000%
d-Limonene	0.000%
Linalool	0.000%
beta-Caryophyllene	0.016%
alpha-Humulene	0.008%
(-)-alpha-Bisabolol	0.009%

 NOTES:
 0

FINAL APPROVAL

 Michelle Gagnon 6-Mar-2020 2:18 PM	 Greg Zimpfer 6-Mar-2020 5:27 PM
---	--

PREPARED BY / DATE

APPROVED BY / DATE

Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC. 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

DOC'S HEMP (12mg/ml-50ml Unit)

Batch ID:	DH12MCT2001	Test ID:	T000064465
Reported:	6-Mar-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

Samantha N. Pauly

Samantha Pauly
6-Mar-2020
2:31 PMGreg Zimpfer
6-Mar-2020
5:21 PM

PREPARED BY / DATE

APPROVED BY / DATE

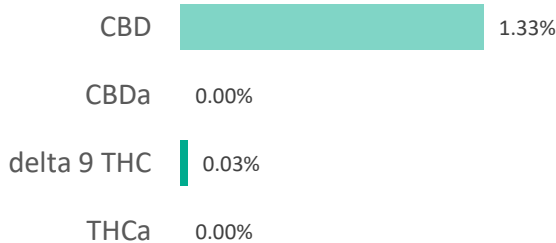
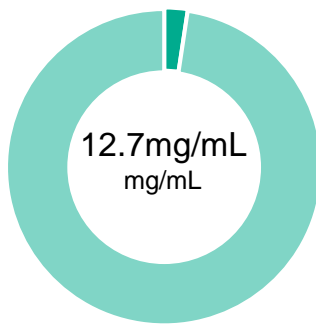
Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. 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 4329.03



Certificate #4329.03

DOC'S HEMP (12mg/ml-50ml Unit)

Batch ID:	DH12MCT2001	Test ID:	5178480.0035
Reported:	5-Mar-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)	0.17	ND	ND
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.08	0.30	0.3
Cannabidiolic acid (CBDA)	0.19	ND	ND
Cannabidiol (CBD)	0.10	12.70	13.3
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.09	ND	ND
Cannabinolic Acid (CBNA)	0.23	ND	ND
Cannabinol (CBN)	0.10	ND	ND
Cannabigerolic acid (CBGA)	0.15	ND	ND
Cannabigerol (CBG)	0.08	0.20	0.2
Tetrahydrocannabivarinic Acid (THCVA)	0.15	ND	ND
Tetrahydrocannabivarin (THCV)	0.08	ND	ND
Cannabidivarinic Acid (CBDVA)	0.17	ND	ND
Cannabidivarin (CBDV)	0.09	ND	ND
Cannabichromenic Acid (CBCA)	0.13	ND	ND
Cannabichromene (CBC)	0.15	0.50	0.6
Total Cannabinoids		13.70	14.43
Total Potential THC**		0.30	0.33
Total Potential CBD**		12.70	13.34

% = % (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 = 0.951g/mL
 N/A

FINAL APPROVAL


 Taylor Brevik
 5-Mar-2020
 1:24 PM


 Greg Zimpfer
 5-Mar-2020
 5:27 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



DOC'S HEMP (12mg/ml-50ml Unit)

Batch ID:	DH12MCT2001	Test ID:	T000064464
Reported:	6-Mar-2020	Method:	TM04
Type:	Concentrate		
Test:	Residual Solvents		

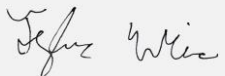
RESIDUAL SOLVENTS

Solvent	Dynamic Range (ppm)	Result (ppm)
Propane	91 - 1826	*ND
Butanes (Isobutane, n-Butane)	177 - 3547	*ND
Methanol	65 - 1302	*ND
Pentane	97 - 1940	*ND
Ethanol	98 - 1959	*ND
Acetone	104 - 2082	*ND
Isopropyl Alcohol	111 - 2217	*ND
Hexane	6 - 127	*ND
Ethyl Acetate	105 - 2097	*ND
Benzene	0.2 - 4.1	*ND
Heptanes	101 - 2027	*ND
Toluene	19 - 381	*ND
Xylenes (m,p,o-Xylenes)	139 - 2777	*ND


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

NOTES:
N/A

FINAL APPROVAL

 Tyler Wiese
6-Mar-2020
3:22 PM

PREPARED BY / DATE

 Greg Zimpfer
6-Mar-2020
5:31 PM

APPROVED BY / DATE

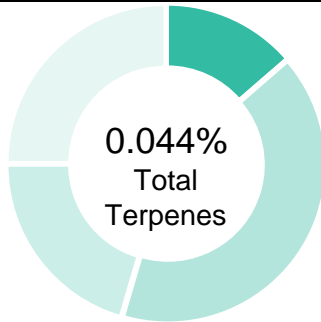
Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods.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



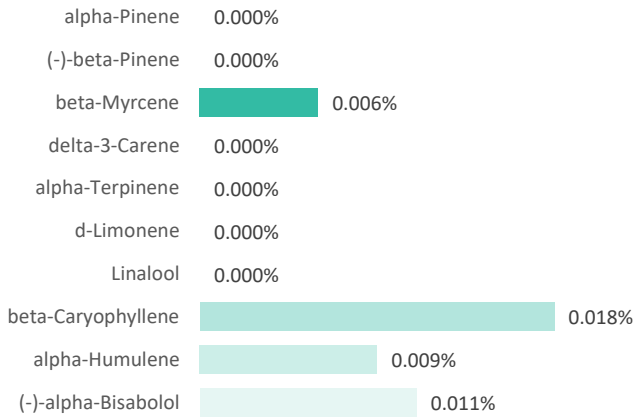
Certificate #4329.02

DOC'S HEMP (12mg/ml-50ml Unit)

Batch ID:	DH12MCT2001	Test ID:	3663603.0011
Reported:	6-Mar-2020	Method:	TM10
Type:	Concentrate		
Test:	Terpenes		

TERPENE PROFILE


Compound	%(w/w)	mg/g
(-)-alpha-Bisabolol	0.011	0.11
Camphene	N/A	N/A
delta-3-Carene	0.000	0
beta-Caryophyllene	0.018	0.18
(-)-Caryophyllene Oxide	0.000	0
p-Cymene	0.000	0
Eucalyptol	0.000	0
Geraniol	0.000	0
alpha-Humulene	0.009	0.09
(-)-Isopulegol	0.000	0
d-Limonene	0.000	0
Linalool	0.000	0
beta-Myrcene	0.006	0.06
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
	0.044%	0.44

PREDOMINANT TERPENES

NOTES:

0

FINAL APPROVAL

 Michelle Gagnon 6-Mar-2020 2:18 PM	 Greg Zimpfer 6-Mar-2020 5:27 PM
---	--

PREPARED BY / DATE

APPROVED BY / DATE

Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC. 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


DOC'S HEMP (12mg/ml-50ml Unit)

Batch ID:	DH12MCT2001	Test ID:	T000064468
Reported:	13-Mar-2020	Method:	Arsenic = Arsenic EPA 6020A (mod), Cadmium = Cadmium EPA 6020A (mod), Lead = Lead EPA 6020A (mod), Mercury = Mercury EPA 6020A (mod)
Type:	Other		
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
13-Mar-2020
1:35 PM

PREPARED BY / DATE

 Greg Zimpfer
13-Mar-2020
7:07 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.

DOC'S HEMP (12mg/ml-50ml Unit)

Batch ID:	DH12MCT2001	Test ID:	5922941.001
Reported:	9-Mar-2020	Method:	TM17
Type:	Concentrate		
Test:	Pesticides		


PESTICIDE RESIDUE


Compound	Dynamic Range (ppb)	Result (ppb)	Compound	Dynamic Range (ppb)	Result (ppb)
Acephate	55 - 2552	ND*	Malathion	55 - 2552	ND*
Acetamiprid	55 - 2552	ND*	Metalaxyl	331 - 2552	ND*
Avermectin	331 - 2552	ND*	Methiocarb	55 - 2552	ND*
Azoxystrobin	55 - 2552	ND*	Methomyl	55 - 2552	ND*
Bifenazate	55 - 2552	NA	MGK 264 1	55 - 2552	ND*
Boscalid	331 - 2552	ND*	MGK 264 2	331 - 2552	ND*
Carbaryl	55 - 2552	ND*	Myclobutanil	331 - 2552	ND*
Carbofuran	55 - 2552	ND*	Naled	331 - 2552	ND*
Chlorantraniliprole	55 - 2552	ND*	Oxamyl	55 - 2552	ND*
Chlorpyrifos	331 - 2552	ND*	Paclobutrazol	55 - 2552	ND*
Clofentezine	55 - 2552	ND*	Permethrin	331 - 2552	ND*
Diazinon	55 - 2552	ND*	Phosmet	55 - 2552	ND*
Dichlorvos	331 - 2552	ND*	Prophos	331 - 2552	ND*
Dimethoate	55 - 2552	ND*	Propoxur	331 - 2552	ND*
E-Fenpyroximate	331 - 2552	ND*	Pyridaben	331 - 2552	ND*
Etofenprox	331 - 2552	ND*	Spinosad A	55 - 2552	ND*
Etoxazole	331 - 2552	ND*	Spinosad D	331 - 2552	ND*
Fenoxycarb	55 - 2552	ND*	Spiromesifen	55 - 2552	ND*
Fipronil	331 - 2552	ND*	Spirotetramat	331 - 2552	ND*
Flonicamid	55 - 2552	ND*	Spiroxamine 1	55 - 2552	ND*
Fludioxonil	331 - 2552	ND*	Spiroxamine 2	55 - 2552	ND*
Hexythiazox	331 - 2552	ND*	Tebuconazole	55 - 2552	ND*
Imazalil	331 - 2552	ND*	Thiacloprid	55 - 2552	ND*
Imidacloprid	55 - 2552	ND*	Thiamethoxam	55 - 2552	ND*
Kresoxim-methyl	55 - 2552	ND*	Trifloxystrobin	331 - 2552	ND*

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

N/A

FINAL APPROVAL

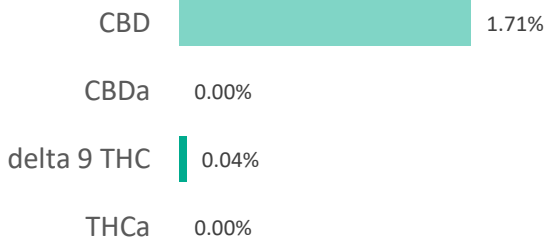
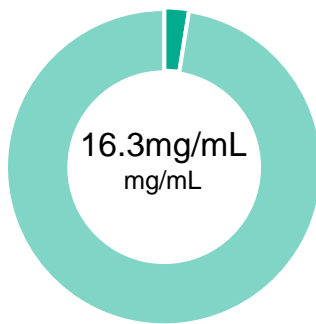

 Sam Smith
 9-Mar-2020
 11:46 AM
 PREPARED BY / DATE


 Greg Zimpfer
 9-Mar-2020
 7:03 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.

DOC'S HEMP (15mg/ml-120ml Unit)

Batch ID:	DH15MCT2001	Test ID:	5178480.0036
Reported:	5-Mar-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)	0.17	ND	ND
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.08	0.40	0.4
Cannabidiolic acid (CBDA)	0.18	ND	ND
Cannabidiol (CBD)	0.10	16.30	17.1
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.09	ND	ND
Cannabinolic Acid (CBNA)	0.23	ND	ND
Cannabinol (CBN)	0.10	ND	ND
Cannabigerolic acid (CBGA)	0.14	ND	ND
Cannabigerol (CBG)	0.08	0.30	0.3
Tetrahydrocannabivarinic Acid (THCVA)	0.14	ND	ND
Tetrahydrocannabivarin (THCV)	0.07	ND	ND
Cannabidivarinic Acid (CBDVA)	0.17	ND	ND
Cannabidivarin (CBDV)	0.09	ND	ND
Cannabichromenic Acid (CBCA)	0.12	ND	ND
Cannabichromene (CBC)	0.15	0.70	0.7
Total Cannabinoids		17.70	18.59
Total Potential THC**		0.40	0.44
Total Potential CBD**		16.30	17.13

NOTES:

Density = 0.951g/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


Taylor Brevik
5-Mar-2020
1:24 PM



Greg Zimpfer
5-Mar-2020
5:27 PM

PREPARED BY / DATE

APPROVED BY / DATE

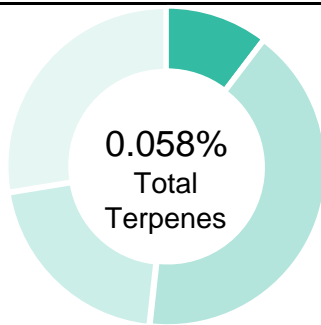
Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods.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

DOC'S HEMP (15mg/ml-120ml Unit)

Batch ID:	DH15MCT2001	Test ID:	3663603.0012
Reported:	6-Mar-2020	Method:	TM10
Type:	Concentrate		
Test:	Terpenes		

TERPENE PROFILE




Compound	%(w/w)	mg/g
(-)-alpha-Bisabolol	0.016	0.16
Camphene	N/A	N/A
delta-3-Carene	0.000	0
beta-Caryophyllene	0.024	0.24
(-)-Caryophyllene Oxide	0.000	0
p-Cymene	0.000	0
Eucalyptol	0.000	0
Geraniol	0.000	0
alpha-Humulene	0.012	0.12
(-)-Isopulegol	0.000	0
d-Limonene	0.000	0
Linalool	0.000	0
beta-Myrcene	0.006	0.06
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
	0.058%	0.58

PREDOMINANT TERPENES

alpha-Pinene	0.000%
(-)-beta-Pinene	0.000%
beta-Myrcene	0.006%
delta-3-Carene	0.000%
alpha-Terpinene	0.000%
d-Limonene	0.000%
Linalool	0.000%
beta-Caryophyllene	0.024%
alpha-Humulene	0.012%
(-)-alpha-Bisabolol	0.016%

 NOTES:
 0

FINAL APPROVAL

 Michelle Gagnon 6-Mar-2020 2:18 PM	 Greg Zimpfer 6-Mar-2020 5:27 PM
---	--

PREPARED BY / DATE

APPROVED BY / DATE

Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC. 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