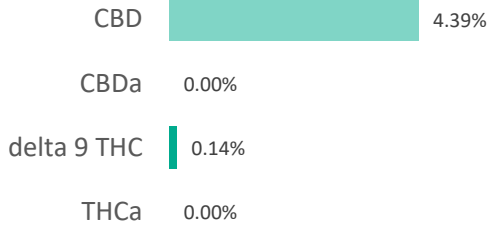
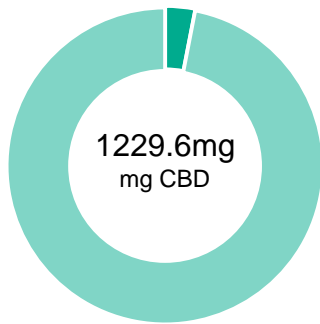


#5 1200mg NATURAL TINCTURE

Batch ID:	51944	Test ID:	5452863.0063
Reported:	3-Jan-2020	Method:	TM14
Type:	Unit		
Test:	Potency		

CANNABINOID PROFILE


Compound	LOQ (mg)	Result (mg)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	29.81	0.00	0.0
Delta 9-Tetrahydrocannabinol (Delta 9THC)	14.89	38.70	1.4
Cannabidiolic acid (CBDA)	22.15	0.00	0.0
Cannabidiol (CBD)	12.38	1229.60	43.9
Delta 8-Tetrahydrocannabinol (Delta 8THC)	16.31	0.00	0.0
Cannabinolic Acid (CBNA)	40.89	0.00	0.0
Cannabinol (CBN)	18.12	0.00	0.0
Cannabigerolic acid (CBGA)	26.06	0.00	0.0
Cannabigerol (CBG)	14.69	23.90	0.9
Tetrahydrocannabivarinic Acid (THCVA)	25.59	0.00	0.0
Tetrahydrocannabivarin (THCV)	13.29	0.00	0.0
Cannabidivarinic Acid (CBDVA)	20.59	0.00	0.0
Cannabidivarin (CBDV)	11.27	0.00	0.0
Cannabichromenic Acid (CBCA)	22.35	0.00	0.0
Cannabichromene (CBC)	26.93	66.80	2.4
Total Cannabinoids		1359.00	48.54
Total Potential THC**		38.70	1.38
Total Potential CBD**		1229.60	43.91

NOTES:

of Servings = 1, Sample Weight=28g

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


Ryan Weems
3-Jan-2020
3:00 PM

PREPARED BY / DATE



Greg Zimpfer
3-Jan-2020
3:52 PM

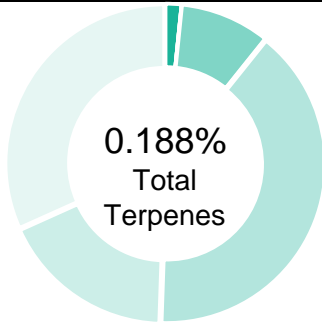
APPROVED BY / DATE

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

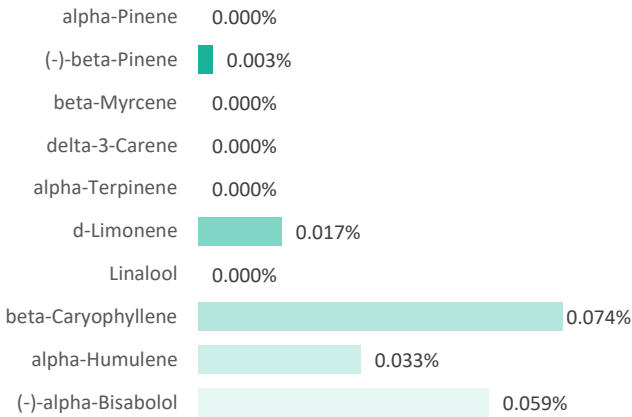


#5 1200mg NATURAL TINCTURE

Batch ID:	51944	Test ID:	8787489.0014
Reported:	8-Jan-2020	Method:	TM10
Type:	Concentrate		
Test:	Terpenes		

TERPENE PROFILE


Compound	%(w/w)	mg/g
(-)-alpha-Bisabolol	0.059	0.59
Camphene	0.000	0
delta-3-Carene	0.000	0
beta-Caryophyllene	0.074	0.74
(-)-Caryophyllene Oxide	0.000	0
p-Cymene	0.000	0
Eucalyptol	0.000	0
Geraniol	0.000	0
alpha-Humulene	0.033	0.33
(-)-Isopulegol	0.000	0
d-Limonene	0.017	0.17
Linalool	0.000	0
beta-Myrcene	0.000	0
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	0.003	0.03
alpha-Terpinene	0.000	0
gamma-Terpinene	0.002	0.02
Terpinolene	0.000	0
	0.188%	1.88

PREDOMINANT TERPENES

 NOTES:
 0

FINAL APPROVAL

 Daniel Weidensaul 7-Jan-2020 5:04 PM	 Chris Jungling 8-Jan-2020 5:25 AM
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PREPARED BY / DATE

APPROVED BY / DATE

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Certificate #4329.02

#5 1200mg NATURAL TINCTURE

Batch ID:	51944	Test ID:	5357694.004
Reported:	8-Jan-2020	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	0
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

	Ryan Weems 7-Jan-2020 2:06 PM		Greg Zimpfer 8-Jan-2020 5:52 AM
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PREPARED BY / DATE

APPROVED BY / DATE

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Certificate #4329.02

#5 1200mg NATURAL TINCTURE

Batch ID:	51944	Test ID:	2761762.020
Reported:	5-Jan-2020	Method:	Edible - Test Methods: TM05, TM06
Type:	Edible		
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

	Sarah Henning 5-Jan-2020 12:37 PM		Mike Branvold 5-Jan-2020 4:54 PM
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PREPARED BY / DATE

APPROVED BY / DATE

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Certificate #4329.03

#5 1200mg NATURAL TINCTURE

Batch ID:	51944	Test ID:	T000048843
Reported:	15-Jan-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
15-Jan-2020
10:20 AM

PREPARED BY / DATE

 David Green
15-Jan-2020
11:03 AM

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.

#5 1200mg NATURAL TINCTURE

Batch ID:	51944	Test ID:	3589994.0014
Reported:	8-Jan-2020	Method:	TM17
Type:	Concentrate		
Test:	Pesticides		

PESTICIDE RESIDUE


Compound	Dynamic Range (ppb)	Result (ppb)	Compound	Dynamic Range (ppb)	Result (ppb)
Acephate	53 - 2431	ND*	Malathion	53 - 2431	ND*
Acetamiprid	53 - 2431	ND*	Metalaxyl	315 - 2431	ND*
Avermectin	315 - 2431	ND*	Methiocarb	53 - 2431	ND*
Azoxystrobin	53 - 2431	ND*	Methomyl	53 - 2431	ND*
Bifenazate	53 - 2431	ND*	MGK 264 1	53 - 2431	ND*
Boscalid	315 - 2431	ND*	MGK 264 2	315 - 2431	ND*
Carbaryl	53 - 2431	ND*	Myclobutanil	315 - 2431	ND*
Carbofuran	53 - 2431	ND*	Naled	315 - 2431	ND*
Chlorantraniliprole	53 - 2431	ND*	Oxamyl	53 - 2431	ND*
Chlorpyrifos	315 - 2431	ND*	Paclobutrazol	53 - 2431	ND*
Clofentezine	53 - 2431	ND*	Permethrin	315 - 2431	ND*
Diazinon	53 - 2431	ND*	Phosmet	53 - 2431	ND*
Dichlorvos	315 - 2431	ND*	Prophos	315 - 2431	ND*
Dimethoate	53 - 2431	ND*	Propoxur	315 - 2431	ND*
E-Fenpyroximate	315 - 2431	ND*	Pyridaben	315 - 2431	ND*
Etofenprox	315 - 2431	ND*	Spinosad A	53 - 2431	ND*
Etoxazole	315 - 2431	ND*	Spinosad D	315 - 2431	ND*
Fenoxycarb	53 - 2431	ND*	Spiromesifen	53 - 2431	ND*
Fipronil	315 - 2431	ND*	Spirotetramat	315 - 2431	ND*
Flonicamid	53 - 2431	ND*	Spiroxamine 1	53 - 2431	ND*
Fludioxonil	315 - 2431	ND*	Spiroxamine 2	53 - 2431	ND*
Hexythiazox	315 - 2431	ND*	Tebuconazole	53 - 2431	ND*
Imazalil	315 - 2431	ND*	Thiacloprid	53 - 2431	ND*
Imidacloprid	53 - 2431	ND*	Thiamethoxam	53 - 2431	ND*
Kresoxim-methyl	53 - 2431	ND*	Trifloxystrobin	315 - 2431	ND*

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

N/A

FINAL APPROVAL


 Sam Smith
 8-Jan-2020
 7:16 AM
 PREPARED BY / DATE


 Greg Zimpfer
 8-Jan-2020
 7:24 AM
 APPROVED BY / DATE

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