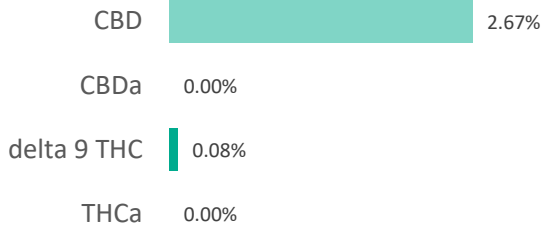
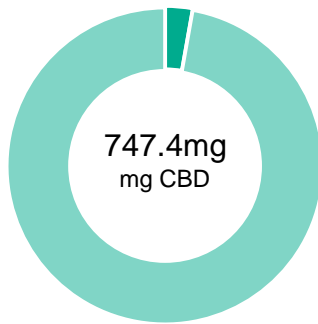


**#3 600mg LEMON TINCTURE**

<b>Batch ID:</b>	51943	<b>Test ID:</b>	5452863.0058
<b>Reported:</b>	3-Jan-2020	<b>Method:</b>	TM14
<b>Type:</b>	Unit		
<b>Test:</b>	Potency		

**CANNABINOID PROFILE**


Compound	LOQ (mg)	Result (mg)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	3.38	0.00	0.0
Delta 9-Tetrahydrocannabinol (Delta 9THC)	1.69	21.50	0.8
Cannabidiolic acid (CBDA)	2.51	0.00	0.0
Cannabidiol (CBD)	1.40	747.40	26.7
Delta 8-Tetrahydrocannabinol (Delta 8THC)	1.85	0.00	0.0
Cannabinolic Acid (CBNA)	4.64	0.00	0.0
Cannabinol (CBN)	2.06	0.00	0.0
Cannabigerolic acid (CBGA)	2.96	0.00	0.0
Cannabigerol (CBG)	1.67	14.20	0.5
Tetrahydrocannabivarinic Acid (THCVA)	2.90	0.00	0.0
Tetrahydrocannabivarin (THCV)	1.51	0.00	0.0
Cannabidivarinic Acid (CBDVA)	2.34	0.00	0.0
Cannabidivarin (CBDV)	1.28	6.80	0.2
Cannabichromenic Acid (CBCA)	2.54	0.00	0.0
Cannabichromene (CBC)	3.06	38.60	1.4
<b>Total Cannabinoids</b>		<b>828.50</b>	<b>29.59</b>
Total Potential THC**		21.50	0.77
Total Potential CBD**		747.40	26.69

**NOTES:**

# of Servings = 1, Sample Weight=28g

An Interfering peak was detected near CBD which may impact the accuracy of CBD.

% = % (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))

**FINAL APPROVAL**


Ryan Weems  
3-Jan-2020  
3:00 PM

PREPARED BY / DATE



Greg Zimpfer  
3-Jan-2020  
3:52 PM

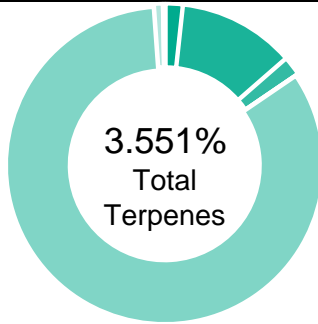
APPROVED BY / DATE

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**#3 600mg LEMON TINCTURE**

<b>Batch ID:</b>	51943	<b>Test ID:</b>	8787489.0037
<b>Reported:</b>	8-Jan-2020	<b>Method:</b>	TM10
<b>Type:</b>	Concentrate		
<b>Test:</b>	Terpenes		

**TERPENE PROFILE**




Compound	%(w/w)	mg/g
(-)-alpha-Bisabolol	0.000	0
Camphene	0.000	0
delta-3-Carene	0.000	0
beta-Caryophyllene	0.028	0.28
(-)-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	2.714	27.14
Linalool	0.000	0
beta-Myrcene	0.062	0.62
cis-Nerolidol	0.000	0
trans-Nerolidol	0.000	0
Ocimene	0.000	0
beta-Ocimene	0.000	0
alpha-Pinene	0.056	0.56
(-)-beta-Pinene	0.386	3.86
alpha-Terpinene	0.000	0
gamma-Terpinene	0.292	2.92
Terpinolene	0.004	0.04
	<b>3.551%</b>	<b>35.51</b>

**PREDOMINANT TERPENES**

alpha-Pinene	0.056%
(-)-beta-Pinene	0.386%
beta-Myrcene	0.062%
delta-3-Carene	0.000%
alpha-Terpinene	0.000%
d-Limonene	2.714%
Linalool	0.000%
beta-Caryophyllene	0.028%
alpha-Humulene	0.009%
(-)-alpha-Bisabolol	0.000%

 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

## #3 600mg LEMON TINCTURE

<b>Batch ID:</b>	51943	<b>Test ID:</b>	5357694.007
<b>Reported:</b>	8-Jan-2020	<b>Method:</b>	TM04
<b>Type:</b>	Concentrate		
<b>Test:</b>	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

**#3 600mg LEMON TINCTURE**

<b>Batch ID:</b>	51943	<b>Test ID:</b>	2761762.021
<b>Reported:</b>	5-Jan-2020	<b>Method:</b>	Edible - Test Methods: TM05, TM06
<b>Type:</b>	Edible		
<b>Test:</b>	Microbial Contaminants		

**MICROBIAL CONTAMINANTS**


Contaminant	Result (CFU/g)*
<b>Total Aerobic Count**</b>	None Detected
<b>Total Coliforms**</b>	None Detected
<b>Total Yeast and Molds**</b>	None Detected
<b>E. coli</b>	None Detected
<b>Salmonella</b>	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

PREPARED BY / DATE

APPROVED BY / DATE

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Certificate #4329.03


## #3 600mg LEMON TINCTURE

<b>Batch ID:</b>	51943	<b>Test ID:</b>	T000048837
<b>Reported:</b>	15-Jan-2020	<b>Method:</b>	Arsenic = Arsenic EPA 6020A (mod), Cadmium = Cadmium EPA 6020A (mod), Lead = Lead EPA 6020A (mod), Mercury = Mercury EPA 6020A (mod)
<b>Type:</b>	Other		
<b>Test:</b>	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.*

**#3 600mg LEMON TINCTURE**

<b>Batch ID:</b>	51943	<b>Test ID:</b>	3589994.0015
<b>Reported:</b>	8-Jan-2020	<b>Method:</b>	TM17
<b>Type:</b>	Concentrate		
<b>Test:</b>	Pesticides		


**PESTICIDE RESIDUE**


Compound	Dynamic Range (ppb)	Result (ppb)	Compound	Dynamic Range (ppb)	Result (ppb)
Acephate	57 - 2630	ND*	Malathion	57 - 2630	ND*
Acetamiprid	57 - 2630	ND*	Metalaxyl	341 - 2630	ND*
Avermectin	341 - 2630	ND*	Methiocarb	57 - 2630	ND*
Azoxystrobin	57 - 2630	ND*	Methomyl	57 - 2630	ND*
Bifenazate	57 - 2630	ND*	MGK 264 1	57 - 2630	ND*
Boscalid	341 - 2630	ND*	MGK 264 2	341 - 2630	ND*
Carbaryl	57 - 2630	ND*	Myclobutanil	341 - 2630	ND*
Carbofuran	57 - 2630	ND*	Naled	341 - 2630	ND*
Chlorantraniliprole	57 - 2630	ND*	Oxamyl	57 - 2630	ND*
Chlorpyrifos	341 - 2630	ND*	Paclobutrazol	57 - 2630	ND*
Clofentezine	57 - 2630	ND*	Permethrin	341 - 2630	ND*
Diazinon	57 - 2630	ND*	Phosmet	57 - 2630	ND*
Dichlorvos	341 - 2630	ND*	Prophos	341 - 2630	ND*
Dimethoate	57 - 2630	ND*	Propoxur	341 - 2630	ND*
E-Fenproximate	341 - 2630	ND*	Pyridaben	341 - 2630	ND*
Etofenprox	341 - 2630	ND*	Spinosad A	57 - 2630	ND*
Etoxazole	341 - 2630	ND*	Spinosad D	341 - 2630	ND*
Fenoxycarb	57 - 2630	ND*	Spiromesifen	57 - 2630	ND*
Fipronil	341 - 2630	ND*	Spirotetramat	341 - 2630	ND*
Flonicamid	57 - 2630	ND*	Spiroxamine 1	57 - 2630	ND*
Fludioxonil	341 - 2630	ND*	Spiroxamine 2	57 - 2630	ND*
Hexythiazox	341 - 2630	ND*	Tebuconazole	57 - 2630	ND*
Imazalil	341 - 2630	ND*	Thiacloprid	57 - 2630	ND*
Imidacloprid	57 - 2630	ND*	Thiamethoxam	57 - 2630	ND*
Kresoxim-methyl	57 - 2630	ND*	Trifloxystrobin	341 - 2630	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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