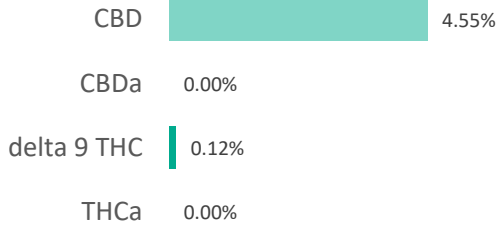
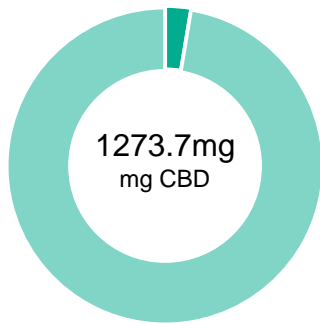


**#3 1200mg LEMON TINCTURE**

<b>Batch ID:</b>	51945	<b>Test ID:</b>	5452863.0062
<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)	29.65	0.00	0.0
Delta 9-Tetrahydrocannabinol (Delta 9THC)	14.81	34.40	1.2
Cannabidiolic acid (CBDA)	22.03	0.00	0.0
Cannabidiol (CBD)	12.31	1273.70	45.5
Delta 8-Tetrahydrocannabinol (Delta 8THC)	16.22	0.00	0.0
Cannabinolic Acid (CBNA)	40.67	0.00	0.0
Cannabinol (CBN)	18.02	0.00	0.0
Cannabigerolic acid (CBGA)	25.91	0.00	0.0
Cannabigerol (CBG)	14.60	18.40	0.7
Tetrahydrocannabivarinic Acid (THCVA)	25.45	0.00	0.0
Tetrahydrocannabivarin (THCV)	13.22	0.00	0.0
Cannabidivarinic Acid (CBDVA)	20.48	0.00	0.0
Cannabidivarin (CBDV)	11.21	0.00	0.0
Cannabichromenic Acid (CBCA)	22.23	0.00	0.0
Cannabichromene (CBC)	26.78	69.60	2.5
<b>Total Cannabinoids</b>		<b>1396.10</b>	<b>49.86</b>
Total Potential THC**		34.40	1.23
Total Potential CBD**		1273.70	45.49

**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

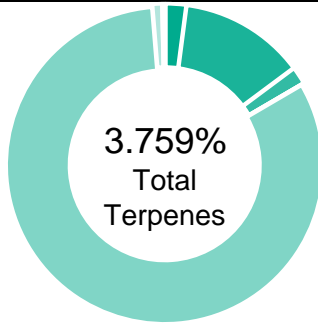
APPROVED BY / DATE

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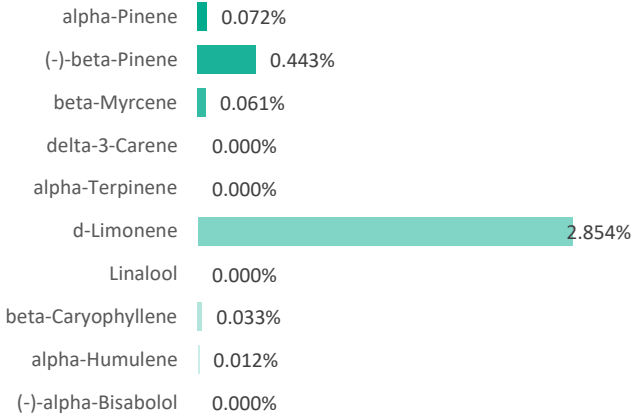


**#3 1200mg LEMON TINCTURE**

<b>Batch ID:</b>	51945	<b>Test ID:</b>	8787489.0039
<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	0.033	0.33
(-)-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	2.854	28.54
Linalool	0.000	0
beta-Myrcene	0.061	0.61
cis-Nerolidol	0.000	0
trans-Nerolidol	0.000	0
Ocimene	0.000	0
beta-Ocimene	0.000	0
alpha-Pinene	0.072	0.72
(-)-beta-Pinene	0.443	4.43
alpha-Terpinene	0.000	0
gamma-Terpinene	0.279	2.79
Terpinolene	0.005	0.05
	<b>3.759%</b>	<b>37.59</b>

**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

## #3 1200mg LEMON TINCTURE

<b>Batch ID:</b>	51945	<b>Test ID:</b>	5357694.006
<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 1200mg LEMON TINCTURE

<b>Batch ID:</b>	51945	<b>Test ID:</b>	2761762.022
<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><i>E. coli</i></b>	None Detected
<b><i>Salmonella</i></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
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PREPARED BY / DATE

APPROVED BY / DATE

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Certificate #4329.03

## #3 1200mg LEMON TINCTURE

<b>Batch ID:</b>	51945	<b>Test ID:</b>	T000048849
<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

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**#3 1200mg LEMON TINCTURE**

<b>Batch ID:</b>	51945	<b>Test ID:</b>	3589994.0017
<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	51 - 2344	ND*	Malathion	51 - 2344	ND*
Acetamiprid	51 - 2344	ND*	Metalaxyl	304 - 2344	ND*
Avermectin	304 - 2344	ND*	Methiocarb	51 - 2344	ND*
Azoxystrobin	51 - 2344	ND*	Methomyl	51 - 2344	ND*
Bifenazate	51 - 2344	ND*	MGK 264 1	51 - 2344	ND*
Boscalid	304 - 2344	ND*	MGK 264 2	304 - 2344	ND*
Carbaryl	51 - 2344	ND*	Myclobutanil	304 - 2344	ND*
Carbofuran	51 - 2344	ND*	Naled	304 - 2344	ND*
Chlorantraniliprole	51 - 2344	ND*	Oxamyl	51 - 2344	ND*
Chlorpyrifos	304 - 2344	ND*	Paclobutrazol	51 - 2344	ND*
Clofentezine	51 - 2344	ND*	Permethrin	304 - 2344	ND*
Diazinon	51 - 2344	ND*	Phosmet	51 - 2344	ND*
Dichlorvos	304 - 2344	ND*	Prophos	304 - 2344	ND*
Dimethoate	51 - 2344	ND*	Propoxur	304 - 2344	ND*
E-Fenpyroximate	304 - 2344	ND*	Pyridaben	304 - 2344	ND*
Etofenprox	304 - 2344	ND*	Spinosad A	51 - 2344	ND*
Etoxazole	304 - 2344	ND*	Spinosad D	304 - 2344	ND*
Fenoxycarb	51 - 2344	ND*	Spiromesifen	51 - 2344	ND*
Fipronil	304 - 2344	ND*	Spirotetramat	304 - 2344	ND*
Flonicamid	51 - 2344	ND*	Spiroxamine 1	51 - 2344	ND*
Fludioxonil	304 - 2344	ND*	Spiroxamine 2	51 - 2344	ND*
Hexythiazox	304 - 2344	ND*	Tebuconazole	51 - 2344	ND*
Imazalil	304 - 2344	ND*	Thiacloprid	51 - 2344	ND*
Imidacloprid	51 - 2344	ND*	Thiamethoxam	51 - 2344	ND*
Kresoxim-methyl	51 - 2344	ND*	Trifloxystrobin	304 - 2344	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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