

# Certificate of Quality Assurance

**PRODUCT NAME:** Lemon Tincture

**PRODUCT STRENGTH:** 500 mg

**LOT NUMBER:** 010339

**OIL BATCH NUMBER:** CON018-94

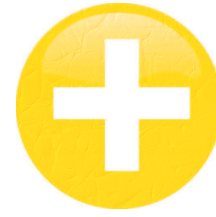
**DATE OF MANUFACTURE:** 12/27/18

*Expiration date is 18 months under sealed conditions.*

**DATE OF ANALYSIS:** 12/27/18

**ACTIVE INGREDIENT:** Phytocannabinoid-Rich Hemp Oil

**INACTIVE INGREDIENTS:** Fractionated Coconut Oil (MCT), Lemon Essential Oil



**MD ORGANICS**

## Physical Attributes of Raw Hemp Oil

Attribute	Acceptance Criteria	Result
Appearance	Viscous Dark Amber Oil Possible Crystal Formation	Conforms
Aroma	Characteristic Hemp Aroma	Conforms
Dissolution	Not Cloudy or Turbid, Characteristic Color	Conforms
Microbial Testing	Total Aerobic Count <2000 cfu/g Total Yeast and Mold <2000 cfu/g	Conforms

## Potency of Raw Hemp Oil

Cannabinoid	Weight %
CBD	91.57
CBG	<0.03
CBN	<0.03
THC	ND
CBC	<0.03
THC-A	ND
CBD-A	<0.03

## Pesticides\*

Compound	Result	Compound	Result
Acequinocil	ND	Spinosad	ND
Pyrethrum	ND	Spirotetramat	ND
Spiromesifin	ND	Bifenazate	ND
Abamectin	ND	Fenoxycarb	ND
Imidacloprid	ND	Paclobutrazol	ND

## Terpene Results\*

Compound	Weight %	Compound	Weight %
$\beta$ -Bisabolene	1.0-3.0	Camphene	0.1-0.2
$\beta$ -Farnesene	1.0-2.0	E-Farnesene	0.1-0.2
Gualol	0.5-2.0	Farnesol	0.1-0.2
$\beta$ -Maaliene	0.5-2.0	$\alpha$ -Bisabolol	< 0.1
Calarene	0.5-1.5	p-Cymene	< 0.1
$\beta$ -Caryophyllene	0.1-1.0	Linalool	< 0.1
$\alpha$ -Humulene	0.1-1.0	Myrcene	< 0.1
Cadinene	0.1-1.0	Phytol	< 0.1
$\alpha$ -Gurjunene	0.1-0.5	Isopulegol	< 0.1
d-Limonene	0.1-0.5	Terpinene	< 0.1
Nerolidol	0.1-0.5	Geraniol	< 0.1
$\alpha$ -Pinene	0.1-0.5	Myrcene	< 0.1
Aristolene	0.1-0.3	$\gamma$ -Terpinene	< 0.1
Eucalyptol	0.1-0.2	$\delta$ -3-Carene	< 0.1

## Residual Solvents\*

Solvent	Weight %
Acetone	Compliant with USP<467>
Butane	Compliant with USP<467>
Ethanol	Compliant with USP<467>
Hexane	Compliant with USP<467>
Isobutane	Compliant with USP<467>
Isopropanol	Compliant with USP<467>
Pentane	Compliant with USP<467>

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**ACTIVE INGREDIENT:** Phytocannabinoid-Rich Hemp Oil

**INACTIVE INGREDIENTS:** Fractionated Coconut Oil (MCT), Lemon Essential Oil

## Heavy Metals\*

Metal	Result
Cadmium	Compliant with USP<233>
Lead	Compliant with USP<233>
Arsenic	Compliant with USP<233>
Mercury	Compliant with USP<233>

## Analysis Results for Finished Product

Attribute	Acceptance Criteria	Result
Appearance	Clear Colorless to Light Yellow Liquid	Conforms
Aroma	Characteristic Lemon Aroma	Conforms
Cannabidiol Content	Label Claim $\pm$ 10%	Conforms
THC Content	None Detected	Conforms

\* Results based on testing of multiple batches of hemp oil raw material.

Certified by:



Matthew Plenert, Ph.D  
Head Chemist and Quality Manager

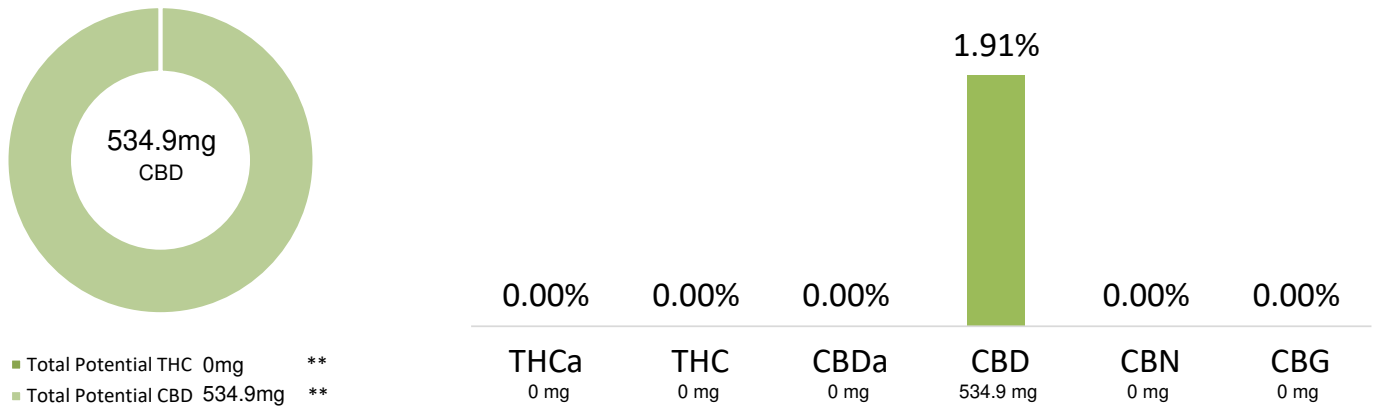
1-7-19

Date

TINCTURE 500 LEMON

<b>Batch ID:</b> _010339	<b>Test ID:</b> 5849195.059
<b>Reported:</b> 4-Mar-2019	<b>Method:</b> TM01
<b>Type:</b> Edible	
<b>Test:</b> Potency	

CANNABINOID PROFILE



\*\* 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))

% = % (w/w) = Percent (Weight of Analyte / Weight of Product)

NOTES:

Free from visual mold, mildew, and foreign matter.  
 # of Servings = 1, Sample/Fill Weight = 27.99g

FINAL APPROVAL

*Alex Smith*  
 Alex Smith  
 4-Mar-2019  
 10:36 AM

*David Green*  
 David Green  
 4-Mar-2019  
 10:46 AM

PREPARED BY / DATE

APPROVED BY / DATE

Testing results are based solely upon the sample submitted to Botanacor Services, LLC, in the condition it was received. Botanacor Services, 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 Services, LLC. ISO/IEC 17025:2005 Accredited A2LA Certificate Number 4329.02



Certificate #4329.02

## Cannabinoids Potency/Homogeneity and Contaminant Analysis Report

Sample Name: MyCBDTest.com/010339  
 Sample Type: Ingestible, Tincture, Other  
 Sample ID: 1902AU0258.02633  
 Batch ID:  
 METRC Tag: 1A4000712681366000000777

MyCBDTest.com  
 1306 Blue Spruce Dr Unit B  
 Fort Collins, CO 80524  
 (925) 567-7159  
 Lic. #403H-75142.2

### Cannabinoid Content

### Sample Photo

Analyte	LOQ	Amount	Amount
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Units per Package:

Unit Type:

### THC Homogeneity

Number of Samples Tested	1
THC Homogeneity	Not Tested

### Microbial Contaminants

Analyte	Limit	Amount	Status
	CFU/g	CFU/g	
STEC	1	<1	Pass
Salmonella	1	<1	Pass
Yeast & Mold	10000	<100	Pass

### Final Approval

### Test Status



Results Approved By:  
 Lucas Mason, M.S.  
 Lab Director

Results Analyzed By:

THC Content	Not Tested
THC Homogeneity	Not Tested
Microbial Contaminants	Pass

Received: 02/28/2019

Tested: 02/28/2019

Reported: 03/05/2019

Definitions: LOQ= Limit of Quantitation, ND = Not Detected, CFU/g = Colony Forming Units per Gram

This product has been tested by Aurum Labs using valid testing methodologies and a quality system as required by state law. Values reported relate only to the product tested. Aurum Labs makes no claims as to the efficacy, safety or other risks associated with any detected or non-detected levels of any compounds reported herein. This Certificate shall not be reproduced except in full, without the written approval of Aurum Labs.



Aurum Labs  
 789 Tech Center Drive, Unit C  
 Durango, CO  
 (970) 422-1867  
 www.aurum-labs.com



Sample: 1902AU0258.02633

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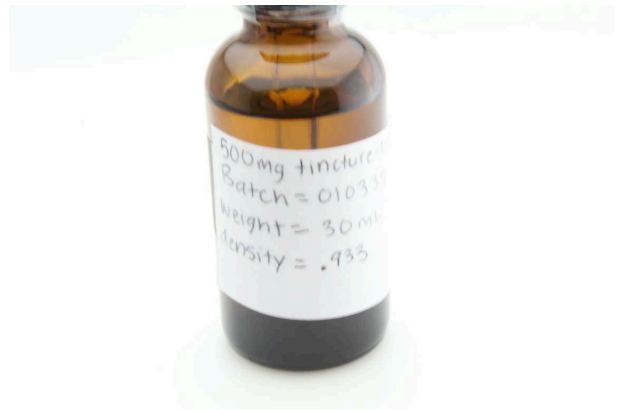
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## Pesticide Analysis Results

Analyte	LOQ	Limit	Amount	Status
	PPB	PPB	PPB	
Abamectin	40.0	70.0	ND	Pass
Azoxystrobin	10.0	20.0	ND	Pass
Bifenazate	20.0	20.0	ND	Pass
Etoazole	10.0	10.0	ND	Pass
Imazalil	40.0	40.0	ND	Pass
Imidacloprid	10.0	20.0	ND	Pass
Malathion	40.0	50.0	ND	Pass
Myclobutanil	10.0	40.0	ND	Pass
Permethrin	10.0	40.0	ND	Pass
Spinosad	40.0	60.0	ND	Pass
Spiromesifen	30.0	30.0	ND	Pass
Spirotetramat	10.0	30.0	ND	Pass
Tebuconazole	10.0	20.0	ND	Pass

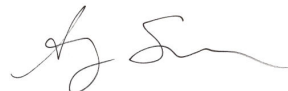


## Final Approval

## Test Status



Results Approved By:  
 Lucas Mason, M.S.  
 Lab Director



Results Analyzed By:  
 Amy Spencer, PhD  
 Senior Microbiologist

Pesticide Analysis Results

Pass

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Reported: 03/05/2019

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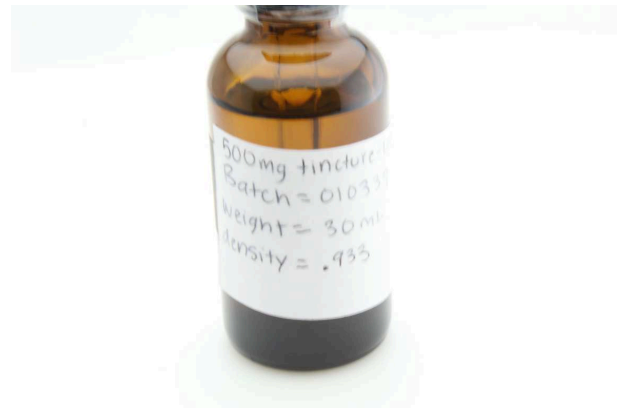
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## Microbial Test Results

Analyte	Limit	Amount	Status
	CFU/g	CFU/g	
STEC	1	<1	Pass
Salmonella	1	<1	Pass
Yeast & Mold	10000	<100	Pass




Bacterial Test Results	Pass
Yeast & Mold Test Results	Pass
% Yeast	NR
% Mold	NR

## Final Approval

## Test Status



Results Approved By:  
 Lucas Mason, M.S.  
 Lab Director



Results Analyzed By:  
 Amy Spencer, PhD  
 Senior Microbiologist

Microbial Test Results

Pass

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