

# Certificate of Quality Assurance

**PRODUCT NAME:** Orange Tincture

**PRODUCT STRENGTH:** 500 mg

**LOT NUMBER:** TO500-T003

**OIL BATCH NUMBER:** CON019-11

**DATE OF MANUFACTURE:** 2/20/19

*Expiration date is 18 months under sealed conditions.*

**DATE OF ANALYSIS:** 2/21/19

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

**INACTIVE INGREDIENTS:** MCT, Orange Essential Oil

**JOY**<sup>™</sup>  
**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	90.03
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
Pyrethrium	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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## 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 Orange Flavor	Conforms
Cannabidiol Content	95% to 110% of Label Claim	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

3-12-19

Date

## Cannabinoids Potency/Homogeneity and Contaminant Analysis Report

Sample Name: MyCBDTest.com/TO500-T003  
 Sample Type: Ingestible, Tincture, Other  
 Sample ID: 1902AU0229.02518  
 Batch ID:  
 METRC Tag: 1A4000712681366000000774

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 mg/unit	Amount mg/unit	Amount mg/g
THCa	5.36	ND	ND
Δ9-THC	5.36	ND	ND
Δ8-THC	2.51	ND	ND
CBDa	5.36	ND	ND
CBD	5.36	504.45	16.81
CBDVa	2.51	ND	ND
CBDV	2.51	ND	ND
CBN	2.51	ND	ND
CBGa	2.51	ND	ND
CBG	2.51	ND	ND
CBCa	2.51	ND	ND
CBC	2.51	ND	ND
CBL	2.51	ND	ND



Units per Package: Unit Type: 30 mL

### THC Homogeneity


### Microbial Contaminants


Number of Samples Tested	1
THC Homogeneity	Not Tested

Analyte	Limit CFU/g	Amount CFU/g	Status
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:  
 Amy Spencer, PhD  
 Senior Microbiologist

THC Content	Pass
THC Homogeneity	Not Tested
Microbial Contaminants	Pass

Received: 02/27/2019

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: 1902AU0229.02518

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 (866) 506-5866  
 www.confidentcannabis.com



## Contaminant Analysis Report

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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



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 Lucas Mason, M.S.  
 Lab Director



Results Analyzed By:  
 Amy Spencer, PhD  
 Senior Microbiologist

Pesticide Analysis Results

Pass

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Definitions: LOQ = Limit of Quantitation, ND = Not Detected, NT = Not Tested, PPM = Parts per Million

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