

# Certificate of Quality Assurance

**PRODUCT NAME:** Natural Tincture

**PRODUCT STRENGTH:** 1500 mg

**LOT NUMBER:** TNAT1500-364

**OIL BATCH NUMBER:** CON018-98

**DATE OF MANUFACTURE:** 1/5/19

*Expiration date is 18 months under sealed conditions.*

**DATE OF ANALYSIS:** 1/5/19

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

**INACTIVE INGREDIENTS:** Grapeseed Oil, Hempseed Oil

**JOY**<sup>TM</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	94.34
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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**JOY<sup>TM</sup>**  
**ORGANICS**

## 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 Hemp Oil Flavor	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

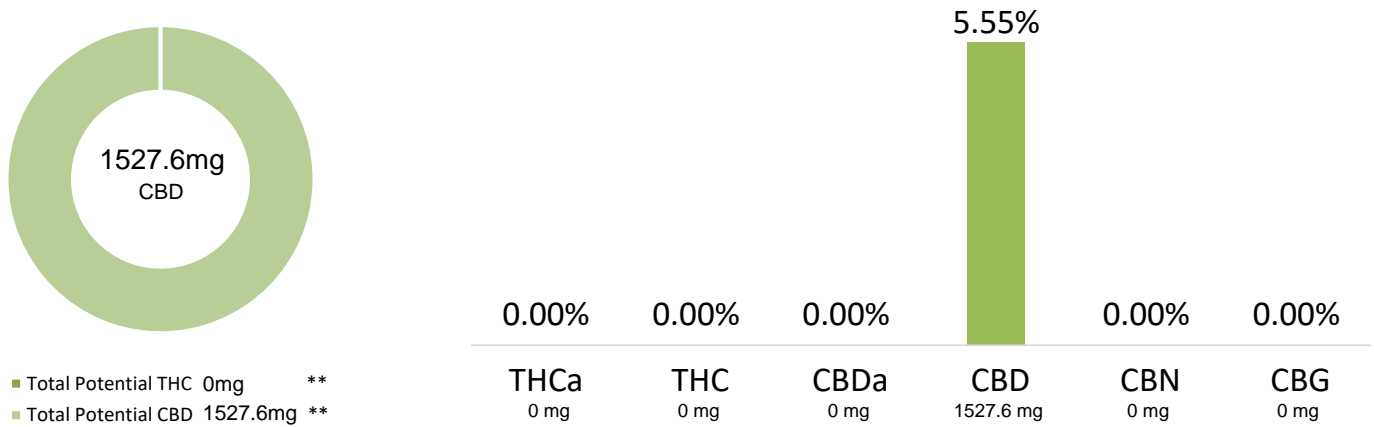
1-7-19

Date

TINCTURE 1500 NATURAL

<b>Batch ID:</b>	TNAT1500-364	<b>Test ID:</b>	5849195.063
<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 = 27.5292g

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



This report cannot be used for ODA, OHA or OLCC compliance requirements.

**Customer:** My CBD Test

**Product identity:** TNAT1500 364  
**Client/Metric ID:** .  
**Sample Date:**  
**Laboratory ID:** 19-002567-0005  
**Relinquished by:** Received By Mail  
**Temp:** 16.9 °C

**Sample Results**

Pesticides											
Method AOAC 2007.01 & EN 15662 (mod) Units mg/kg Batch 1902186 Analyze 03/15/19 09:48 AM											
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
Abamectin	< LOQ	0.50	0.250	pass		Acephate	< LOQ	0.40	0.250	pass	
Acequinocyl	< LOQ	2.0	1.00	pass		Acetamiprid	< LOQ	0.20	0.100	pass	
Aldicarb	< LOQ	0.40	0.200	pass		Azoxystrobin	< LOQ	0.20	0.100	pass	
Bifenazate	< LOQ	0.20	0.100	pass		Bifenthrin	< LOQ	0.20	0.100	pass	
Boscalid	< LOQ	0.40	0.100	pass		Carbaryl	< LOQ	0.20	0.100	pass	
Carbofuran	< LOQ	0.20	0.100	pass		Chlorantraniliprole	< LOQ	0.20	0.100	pass	
Chlorfenapyr	< LOQ	1.0	0.500	pass		Chlorpyrifos	< LOQ	0.20	0.100	pass	
Clofentezine	< LOQ	0.20	0.100	pass		Cyfluthrin (incl.	< LOQ	1.0	0.500	pass	
Cypermethrin	< LOQ	1.0	0.500	pass		Daminozide	< LOQ	1.0	0.500	pass	
Diazinon	< LOQ	0.20	0.100	pass		Dichlorvos	< LOQ	1.0	0.500	pass	
Dimethoate	< LOQ	0.20	0.100	pass		Ethoprophos	< LOQ	0.20	0.100	pass	
Etofenprox	< LOQ	0.40	0.200	pass		Etoxazol	< LOQ	0.20	0.100	pass	
Fenoxycarb	< LOQ	0.20	0.100	pass		Fenpyroximat	< LOQ	0.40	0.200	pass	
Fipronil	< LOQ	0.40	0.200	pass		Flonicamid	< LOQ	1.0	0.400	pass	
Fludioxonil	< LOQ	0.40	0.200	pass		Hexythiazox	< LOQ	1.0	0.400	pass	
Imazalil	< LOQ	0.20	0.100	pass		Imidacloprid	< LOQ	0.40	0.200	pass	
Kresoxim-methyl	< LOQ	0.40	0.200	pass		Malathion	< LOQ	0.20	0.100	pass	

Test results relate only to the parameters tested and to the samples as received by the laboratory. Test results meet all requirements of NELAP and the Pixis quality assurance plan unless otherwise noted. This report shall not be reproduced, except in full, without the written consent of this laboratory. Samples will be kept a maximum of 15 days from the report date unless prior arrangements have been made.



This report cannot be used for ODA, OHA or OLCC compliance requirements.

Pesticides											Method AOAC 2007.01 & EN 15662 (mod)				Units mg/kg		Batch 1902186		Analyze 03/15/19 09:48 AM			
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes											
Metalaxyl	< LOQ	0.20	0.100	pass		Methiocarb	< LOQ	0.20	0.100	pass												
Methomyl	< LOQ	0.40	0.200	pass		MGK-264	< LOQ	0.20	0.100	pass												
Myclobutanil	< LOQ	0.20	0.100	pass		Naled	< LOQ	0.50	0.250	pass												
Oxamyl	< LOQ	1.0	0.500	pass		Paclobutrazole	< LOQ	0.40	0.200	pass												
Parathion-Methyl	< LOQ	0.20	0.200	pass		Permethrin	< LOQ	0.20	0.100	pass												
Phosmet	< LOQ	0.20	0.100	pass		Piperonyl butoxide	< LOQ	2.0	1.00	pass												
Prallethrin	< LOQ	0.20	0.100	pass		Propiconazole	< LOQ	0.40	0.200	pass												
Propoxur	< LOQ	0.20	0.100	pass		Pyrethrin I (total)	< LOQ	1.0	0.500	pass												
Pyridaben	< LOQ	0.20	0.100	pass		Spinosad	< LOQ	0.20	0.100	pass												
Spiromesifen	< LOQ	0.20	0.100	pass		Spirotetramat	< LOQ	0.20	0.100	pass												
Spiroxamin	< LOQ	0.40	0.200	pass		Tebuconazol	< LOQ	0.40	0.200	pass												
Thiacloprid	< LOQ	0.20	0.100	pass		Thiamethoxam	< LOQ	0.20	0.100	pass												
Trifloxystrobin	< LOQ	0.20	0.100	pass																		



This report cannot be used for ODA, OHA or OLCC compliance requirements.

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**Abbreviations**

**Limits:** Action Levels per OAR-333-007-0400, OAR-333-007-0210, OAR-333-007-0220

**Limit(s) of Quantitation (LOQ):** The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence.

**Units of Measure**

mg/kg = Milligram per kilogram

% wt =  $\mu\text{g/g}$  divided by 10,000

Approved Signatory

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Derrick Tanner  
General Manager

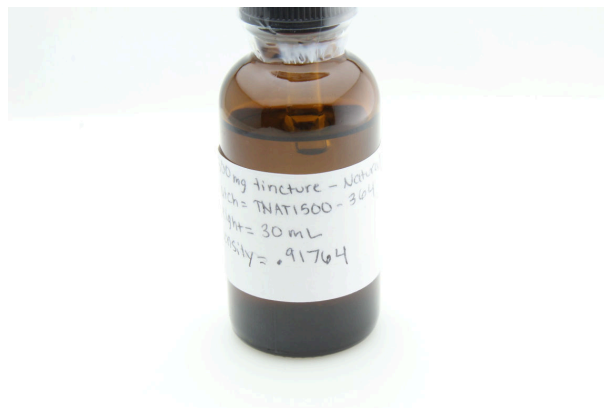
## Contaminant Analysis Report

Sample Name: MyCBDTest.com/TNAT1500-364  
 Sample Type: Ingestible, Tincture, Other  
 Sample ID: 1902AU0258.02637  
 Batch ID:  
 METRC Tag: 1A4000712681366000000781

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

## 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

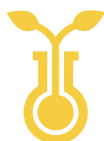
Received: 02/28/2019

Tested: 02/28/2019

Reported: 03/05/2019

Definitions: LOQ = Limit of Quantitation, ND = Not Detected, NT = Not Tested, 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  
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Sample: 1902AU0258.02637

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Aurum Labs 789 Tech Center Dr. #C Durango CO, 81301	Project: As, Cd, Pb, Hg Project Name / Number: MyCBDTest.com Project Manager: Luke Mason	<b>Reported:</b> 04/01/19 15:35
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**MyCBDTest.com/TNAT1500-364**

**1903227-05 (Solid)**

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
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**Total Metals by ICPMS**

<b>Arsenic</b>	<0.100	0.100	0.0214	mg/kg wet	100	03/25/19	6020A		AES
<b>Cadmium</b>	<0.0500	0.0500	0.0041	mg/kg wet	100	03/25/19	6020A		AES
<b>Lead</b>	<0.0500	0.0500	0.0091	mg/kg wet	100	03/25/19	6020A		AES

**Total Mercury by CVAA**

<b>Mercury</b>	<0.0400	0.0400	0.0167	mg/kg wet wet	200	03/22/19	EPA7471		LLG
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Green Analytical Laboratories

Debbie Zufelt, Reports Manager

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