

# 500 Lemon Tincture

FARM BILL  
COMPLIANT



SAMPLE ID  
**149644**

SAMPLE NAME  
**500 Lemon Tincture**

MATRIX  
**Tincture**

COLLECTED  
**11/19/2019 14:24**

RECEIVED  
**11/19/2019 14:24**

SERVING SIZE  
**1**

SERVINGS PER PACKAGE  
**1**

DENSITY  
**0.9534 g/ml**

INDIVIDUAL INFO  
**AMMA Healing Co.**  
n/a  
n/a, CA TBD  
License: n/a

**TOTAL  
CBD**

**488.2**  
MG PER SERVING

**TOTAL  
THC**

**ND**  
MG PER SERVING

**TOTAL  
CANNABINOIDS**

**496.5**  
MG PER SERVING

**TOTAL  
TERPENES**

**2.85 %**  
PERCENTAGE

**Chemical Residue**

No Analytes Detected



**Chemical Residue GC**

No Analytes Detected



**Microbial qPCR**

No Analytes Detected



**Heavy Metals**

Lead: <LL0Q



 Indicates that the hemp product passes some of the strictest testing standards available for cannabis and hemp.



## CANNABINOID ANALYSIS

**i** Total THC,CBD value(s) have been decarboxylated.

TOTAL THC: ND per serving (ND) (ND)  
 TOTAL CBD: 488.2 mg per serving (16.27 mg/mL) (1.707 %)  
 TOTAL CANNABINOIDS: 496.5 mg per serving (16.55 mg/mL) (1.736 %)

UNIT OF MEASUREMENT: Milligrams per Milliliter(mg/mL)

ANALYTE	RESULT	LOD	LLOQ	ANALYTE	RESULT	LOD	LLOQ
THCa	ND	0.0500	0.1000	CBDv	0.2772 mg/mL (0.0291%)	0.0500	0.1000
D9THC	ND	0.0500	0.1000	CBGa	ND	0.0500	0.1000
D8THC	ND	0.0500	0.1000	CBG	ND	0.0500	0.1000
THCv	ND	0.0500	0.1000	CBN	ND	0.0500	0.1000
CBDa	ND	0.0500	0.1000	CBC	ND	0.0500	0.1000
CBD	16.27 mg/mL (1.707 %)	0.0500	0.1000				

### ADDITIONAL INFORMATION

Method: SOP-TECH-001  
 Instrument: UPLC-DAD

Sample Prepped 11/21/2019 14:01  
 Sample Analyzed 11/21/2019 14:01

Sample Approved 11/22/2019 18:47

## CHEMICAL RESIDUE ANALYSIS

UNIT OF MEASUREMENT: Micrograms per Gram(ug/g)

ANALYTE	RESULT	LOD	LLOQ	ACTION LEVEL	ANALYTE	RESULT	LOD	LLOQ	ACTION LEVEL
Abamectin	ND	0.0200	0.0400	0.3000	Acephate	ND	0.0200	0.0400	5.000
Acequinocyl	ND	0.0200	0.0400	4.000	Acetamiprid	ND	0.0200	0.0400	5.000
Aldicarb	ND	0.0200	0.0400	0.0	Azoxystrobin	ND	0.0200	0.0400	40.00
Bifenazate	ND	0.0200	0.0400	5.000	Bifenthrin	ND	0.0200	0.0400	0.5000
Boscalid	ND	0.0200	0.0400	10.00	Carbaryl	ND	0.0200	0.0400	0.5000
Carbofuran	ND	0.0200	0.0400	0.0	Chlorantraniliprole	ND	0.0200	0.0400	40.00
Chlorfenapyr	ND	0.0200	0.0400	0.0	Chlorpyrifos	ND	0.0200	0.0400	0.0
Clofentezine	ND	0.0200	0.0400	0.5000	Coumaphos	ND	0.0200	0.0400	0.0
Cyfluthrin	ND	0.1000	0.2000	1.000	Cypermethrin	ND	0.0400	0.1000	1.000
Daminozide	ND	0.0200	0.0400	0.0	Diazinon	ND	0.0200	0.0400	0.2000
Dichlorvos	ND	0.0200	0.0400	0.0	Dimethoate	ND	0.0200	0.0400	0.0
Dimethomorph	ND	0.0196	0.0392	2.000	Ethoprophos	ND	0.0200	0.0400	0.0
Etofenprox	ND	0.0200	0.0400	0.0	Etoazole	ND	0.0200	0.0400	1.500
Fenhexamid	ND	0.0200	0.0400	10.00	Fenoxycarb	ND	0.0200	0.0400	0.0
Fenpyroximate	ND	0.0200	0.0400	2.000	Fipronil	ND	0.0200	0.0400	0.0
Flonicamid	ND	0.0200	0.0400	2.000	Fludioxonil	ND	0.0200	0.0400	30.00
Hexythiazox	ND	0.0200	0.0400	2.000	Imazalil	ND	0.0200	0.0400	0.0
Imidacloprid	ND	0.0200	0.0400	3.000	KresoximMethyl	ND	0.0200	0.0400	1.000
Malathion	ND	0.0200	0.0400	5.000	Metalaxyl	ND	0.0200	0.0400	15.00
Methiocarb	ND	0.0200	0.0400	0.0	Methomyl	ND	0.0200	0.0400	0.1000
Mevinphos	ND	0.0200	0.0400	0.0	Myclobutanil	ND	0.0200	0.0400	9.000
Naled	ND	0.0200	0.0400	0.5000	Oxamyl	ND	0.0200	0.0400	0.2000
Paclbutrazol	ND	0.0200	0.0400	0.0	Permethrins	ND	0.0198	0.0396	20.00



Phosmet	ND	0.0200	0.0400	0.2000	PiperonylButoxide	ND	0.0200	0.0400	8.000
Prallethrin	ND	0.0200	0.0400	0.4000	Propiconazole	ND	0.0200	0.0400	20.00
Propoxur	ND	0.0200	0.0400	0.0	Pyrethrins	ND	0.0078	0.0158	1.000
Pyridaben	ND	0.0200	0.0400	3.000	Spinetoram	ND	0.0200	0.0400	3.000
Spinosad	ND	0.0198	0.0395	3.000	Spiromesifen	ND	0.0200	0.0400	12.00
Spirotetramat	ND	0.0200	0.0400	13.00	Spiroxamine	ND	0.0200	0.0400	0.0
Tebuconazole	ND	0.0200	0.0400	2.000	Thiacloprid	ND	0.0200	0.0400	0.0
Thiamethoxam	ND	0.0200	0.0400	4.500	Trifloxystrobin	ND	0.0200	0.0400	30.00

#### ADDITIONAL INFORMATION

Method: SOP-TECH-002  
Instrument: LC-MS/MS

Sample Prepped 11/21/2019 09:19  
Sample Analyzed 11/21/2019 10:28

Sample Approved 11/22/2019 18:24

## CHEMICAL RESIDUE GC ANALYSIS

UNIT OF MEASUREMENT: Micrograms per Gram(ug/g)

ANALYTE	RESULT	LOD	LLOQ	ACTION LEVEL	ANALYTE	RESULT	LOD	LLOQ	ACTION LEVEL
Captan	ND	0.1000	0.2000	5.000	Chlordane	ND	0.0400	0.1000	0.0
MethylParathion	ND	0.0400	0.1000	0.0	PCNB	ND	0.0200	0.0400	0.2000

#### ADDITIONAL INFORMATION

Method: SOP-TECH-010  
Instrument: GC-MS/MS

Sample Prepped 11/21/2019 09:22  
Sample Analyzed 11/21/2019 10:30

Sample Approved 11/22/2019 14:04

## TERPENE ANALYSIS

UNIT OF MEASUREMENT: Milligrams per Milliliter(mg/mL)

ANALYTE	RESULT	LOD	LLOQ	ANALYTE	RESULT	LOD	LLOQ
Limonene	18.84 mg/mL (1.976 %)	0.2000	0.4000	Delta-3-Carene	ND	0.2000	0.4000
Gamma-Terpinene	ND	0.2000	0.4000	Nerolidol	<LLOQ (<LLOQ)	0.2000	0.4000
Linalool	ND (ND)	0.2000	0.4000	Geraniol	ND	0.2000	0.4000
Alpha-Bisabolol	<LLOQ (<LLOQ)	0.2000	0.4000	Isopulegol	ND	0.2000	0.4000
Alpha-Pinene	0.7437 mg/mL (0.0780 %)	0.2000	0.4000	Beta-Pinene	4.129 mg/mL (0.4331 %)	0.2000	0.4000
Eucalyptol	ND	0.2000	0.4000	Ocimene	ND	0.2000	0.4000
Terpinolene	<LLOQ (<LLOQ)	0.2000	0.4000	P-Cymene	0.3859 mg/mL (0.0405 %)	0.2000	0.4000
B-Myrcene	0.6293 mg/mL (0.0660 %)	0.2000	0.4000	Beta-Caryophyllene	<LLOQ (<LLOQ)	0.2000	0.4000
Alpha-Terpinene	ND (ND)	0.2000	0.4000	Alpha-Humulene	ND (ND)	0.2000	0.4000
Guaiol	2.462 mg/mL (0.2582 %)	0.2000	0.4000	Camphene	ND (ND)	0.2000	0.4000
Caryophyllene Oxide	ND (ND)	0.2000	0.4000				

#### ADDITIONAL INFORMATION

Method: SOP-TECH-004  
Instrument: HS-GC-FID

Sample Prepped 11/21/2019 19:11  
Sample Analyzed 11/21/2019 19:13

Sample Approved 11/22/2019 21:29



**MICROBIAL qPCR ANALYSIS**

UNIT OF MEASUREMENT: Cycle Threshold (Ct)

ANALYTE	RESULT	LOD	LLOQ	ACTION LEVEL	ANALYTE	RESULT	LOD	LLOQ	ACTION LEVEL
A.fumigatus	ND	33.00	0.0	0.0	A. flavus	ND	33.00	0.0	0.0
A. niger	ND	33.00	0.0	0.0	A. terreus	ND	33.00	0.0	0.0
STEC	ND	33.00	0.0	0.0	Salmonella spp	ND	33.00	0.0	0.0

**ADDITIONAL INFORMATION**

Method: SOP-TECH-016, SOP-TECH-022      Sample Prepped 11/21/2019 06:54      Sample Approved 11/21/2019 15:47  
 Instrument: qPCR      Sample Analyzed 11/21/2019 06:55

**HEAVY METALS ANALYSIS**

UNIT OF MEASUREMENT: Micrograms per Gram(ug/g)

ANALYTE	RESULT	LOD	LLOQ	ACTION LEVEL	ANALYTE	RESULT	LOD	LLOQ	ACTION LEVEL
Arsenic	ND	0.0200	0.0500	1.500	Cadmium	ND	0.0050	0.0500	0.5000
Lead	<LLOQ	0.0100	0.0500	0.5000	Mercury	ND	0.0030	0.0500	3.000

**ADDITIONAL INFORMATION**

Method: SOP-TECH-013      Sample Prepped 11/22/2019 10:39      Sample Approved 11/22/2019 17:31  
 Instrument: ICP-MS      Sample Analyzed 11/22/2019 10:41

This report applies to the sample investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. This report provides technical results for a specific sample and the report shall not be altered, modified, supplemented, or abstracted in any manner. Any violation of these conditions renders the report and its results void.

All LQC samples required by state regulations were performed and met the acceptance criteria.

**DATA REVIEWED AND APPROVED BY**



11/22/2019

Swetha Kaul, PhD  
 Chief Scientific Officer

Date