# **Certificate of Quality Assurance**

PRODUCT NAME: Orange Tincture PRODUCT STRENGTH: 450 mg LOT NUMBER: HTO500-T225 OIL BATCH NUMBER: CONO19-89 DATE OF MANUFACTURE: 9/26/2019 Expiration date is 18 months under sealed conditions. DATE OF ANALYSIS: 9/26/2019 ACTIVE INGREDIENT: Phytocannabinoid-Rich Hemp Oil INACTIVE INGREDIENTS: See next page.

# **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

## **Cannabinoid Potency of Raw Hemp Oil**

Cannabinoid	Weight %
CBD	84.99
CBG	<0.03
CBN	<0.03
ТНС	ND
СВС	<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

Compound	Weight %	Compound	Weight %
β-Bisabolene	1.0-3.0	Camphene	0.1-0.2
β-Farnesene	1.0-2.0	E-Farnesene	0.1-0.2
Gualol	0.5-2.0	Farnesol	0.1-0.2
β-Maaliene	0.5-2.0	α-Bisabolol	< 0.1
Calarene	0.5-1.5	p-Cymene	< 0.1
β-Caryophyllene	0.1-1.0	Linalool	< 0.1
α-Humulene	0.1-1.0	Myrcene	< 0.1
Cadinene	0.1-1.0	Phytol	< 0.1
α-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
α-Pinene	0.1-0.5	Myrcene	< 0.1
Aristolene	0.1-0.3	γ-Terpinene	< 0.1
Eucalyptol	0.1-0.2	δ-3-Carene	< 0.1

Tornono Doculto\*

#### **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>

# **Certificate of Quality Assurance**

**PRODUCT NAME:** Orange Tincture PRODUCT STRENGTH: 450 mg

LOT NUMBER: HTO500-T225

**OIL BATCH NUMBER: CONO19-89** 

DATE OF MANUFACTURE: 9/26/2019

Expiration date is 18 months under sealed conditions.

DATE OF ANALYSIS: 9/26/2019

ACTIVE INGREDIENT: Phytocannabinoid-Rich Hemp Oil

INACTIVE INGREDIENTS: Organic Medium Chain Triglycerides, Organic Orange Essential Oil, Humulene, Myrcene, Beta-Caryophyllene

Heavy Metals*	ls*	Meta	Heavy
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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	<b>Result</b> Conforms	
Appearance	Clear Colorless to Light Yellow Liquid		
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.

Quality Certified by:

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Matthew Plenert, Ph.D Head Chemist and Laboratory Manager

QC Unit released by:

David Boaz

QC Manager

10-1-19

Date

10-1-19 Date





Job Number: 19-011850 **Report Number:** 19-011850-00 **Report Date:** 10/08/2019 **ORELAP#:** OR100028 Purchase Order: **Received:** 09/30/19 07:30

Product identity:	HTO500-T225	Client/Metrc ID:	
Laboratory ID:	19-011850-0003	Sample Date:	
		Summary	

Potency:
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Analyte per 29.57ml	Result	Limits	Units	Status	CBD-Total per 29.57ml	436 mg/29.57ml
CBD per 29.57ml	436		mg/29.57	ml		
CBDV per 29.57ml <sup>†</sup>	6.36		mg/29.57	ml	THC-Total per 29.57ml	< 1.738 mg/29.57ml
					(Reported in milliar	ams per serving)

#### **Pesticides:**

All analytes passing and less than LOQ.

### **Terpenes:**

Analyte	Percent by weight	Percent of Total	Analyte	Percent by weight	Percent of Total
(R)-(+)-Limonene <sup>+</sup>	4.35	87.00%	ß-Myrcene <sup>+</sup>	0.263	5.26%
B-Caryophyllene <sup>†</sup>	0.198	3.96%	Humulene <sup>+</sup>	0.159	3.18%
a-pinene <sup>†</sup>	0.0282	0.56%	Total Terpenes <sup>†</sup>	5.00	100.00%

### Metals:

Less than LOQ for all analytes.

## **Microbiology:**

Less than LOQ for all analytes.





Job Number:	19-011850
Report Number:	19-011850-00
Report Date:	10/08/2019
ORELAP#:	OR100028
Purchase Order:	
Received:	09/30/19 07:30

Customer:	My CBD Test
Product identity:	HTO500-T225
Client/Metrc ID:	
Sample Date:	
Laboratory ID:	19-011850-0003
Relinquished by:	Received By Mail
Temp:	22.2 °C
Serving Size #1:	27.76 g

# **Sample Results**

Potency per 29.57ml Batch: 1909019										
Analyte	Result	Limits	Units	LOQ	Analyze	Method	Notes			
CBC per 29.57ml <sup>†</sup>	< LOQ		mg/29.57ml	0.925	10/08/19	J AOAC 2015 V98-6				
CBC-A per 29.57ml <sup>†</sup>	<loq< td=""><td></td><td>mg/29.57ml</td><td>0.925</td><td>10/08/19</td><td>J AOAC 2015 V98-6</td><td></td></loq<>		mg/29.57ml	0.925	10/08/19	J AOAC 2015 V98-6				
CBC-Total per 29.57ml <sup>†</sup>	<loq< td=""><td></td><td>mg/29.57ml</td><td>1.74</td><td>10/08/19</td><td>J AOAC 2015 V98-6</td><td></td></loq<>		mg/29.57ml	1.74	10/08/19	J AOAC 2015 V98-6				
CBD per 29.57ml	436		mg/29.57ml	0.925	10/08/19	J AOAC 2015 V98-6				
CBD-A per 29.57ml	<loq< td=""><td></td><td>mg/29.57ml</td><td>0.925</td><td>10/08/19</td><td>J AOAC 2015 V98-6</td><td></td></loq<>		mg/29.57ml	0.925	10/08/19	J AOAC 2015 V98-6				
CBD-Total per 29.57ml	436		mg/29.57ml	1.74	10/08/19	J AOAC 2015 V98-6				
CBDV per 29.57ml <sup>†</sup>	6.36		mg/29.57ml	0.925	10/08/19	J AOAC 2015 V98-6				
CBDV-A per 29.57ml <sup>†</sup>	<loq< td=""><td></td><td>mg/29.57ml</td><td>0.925</td><td>10/08/19</td><td>J AOAC 2015 V98-6</td><td></td></loq<>		mg/29.57ml	0.925	10/08/19	J AOAC 2015 V98-6				
CBDV-Total per 29.57ml <sup>†</sup>	6.36		mg/29.57ml	1.73	10/08/19	J AOAC 2015 V98-6				
CBG per 29.57ml <sup>†</sup>	<loq< td=""><td></td><td>mg/29.57ml</td><td>0.925</td><td>10/08/19</td><td>J AOAC 2015 V98-6</td><td></td></loq<>		mg/29.57ml	0.925	10/08/19	J AOAC 2015 V98-6				
CBG-A per 29.57ml <sup>†</sup>	<loq< td=""><td></td><td>mg/29.57ml</td><td>0.925</td><td>10/08/19</td><td>J AOAC 2015 V98-6</td><td></td></loq<>		mg/29.57ml	0.925	10/08/19	J AOAC 2015 V98-6				
CBG-Total per 29.57ml <sup>†</sup>	<loq< td=""><td></td><td>mg/29.57ml</td><td>1.74</td><td>10/08/19</td><td>J AOAC 2015 V98-6</td><td></td></loq<>		mg/29.57ml	1.74	10/08/19	J AOAC 2015 V98-6				
CBL per 29.57ml <sup>†</sup>	<loq< td=""><td></td><td>mg/29.57ml</td><td>0.925</td><td>10/08/19</td><td>J AOAC 2015 V98-6</td><td></td></loq<>		mg/29.57ml	0.925	10/08/19	J AOAC 2015 V98-6				
CBN per 29.57ml	<loq< td=""><td></td><td>mg/29.57ml</td><td>0.925</td><td>10/08/19</td><td>J AOAC 2015 V98-6</td><td></td></loq<>		mg/29.57ml	0.925	10/08/19	J AOAC 2015 V98-6				
$\Delta 8$ -THC per 29.57ml <sup>+</sup>	< LOQ		mg/29.57ml	0.925	10/08/19	J AOAC 2015 V98-6				
∆9-THC per 29.57ml	<loq< td=""><td></td><td>mg/29.57ml</td><td>0.925</td><td>10/08/19</td><td>J AOAC 2015 V98-6</td><td></td></loq<>		mg/29.57ml	0.925	10/08/19	J AOAC 2015 V98-6				
THC-A per 29.57ml	<loq< td=""><td></td><td>mg/29.57ml</td><td>0.925</td><td>10/08/19</td><td>J AOAC 2015 V98-6</td><td></td></loq<>		mg/29.57ml	0.925	10/08/19	J AOAC 2015 V98-6				
THC-Total per 29.57ml	<loq< td=""><td></td><td>mg/29.57ml</td><td>1.74</td><td>10/08/19</td><td>J AOAC 2015 V98-6</td><td></td></loq<>		mg/29.57ml	1.74	10/08/19	J AOAC 2015 V98-6				
THCV per 29.57ml <sup>†</sup>	<loq< td=""><td></td><td>mg/29.57ml</td><td>0.925</td><td>10/08/19</td><td>J AOAC 2015 V98-6</td><td></td></loq<>		mg/29.57ml	0.925	10/08/19	J AOAC 2015 V98-6				
THCV-A per 29.57ml <sup>†</sup>	< LOQ		mg/29.57ml	0.925	10/08/19	J AOAC 2015 V98-6				
THCV-Total per 29.57ml <sup>†</sup>	< LOQ		mg/29.57ml	1.73	10/08/19	J AOAC 2015 V98-6				

Microbiology								
Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes
E.coli	<loq< td=""><td></td><td>cfu/g</td><td>10</td><td>1908756</td><td>10/02/19</td><td>AOAC 991.14 (Petrifilm)</td><td>х</td></loq<>		cfu/g	10	1908756	10/02/19	AOAC 991.14 (Petrifilm)	х
Total Coliforms	< LOQ		cfu/g	10	1908756	10/02/19	AOAC 991.14 (Petrifilm)	Х
Mold (RAPID Petrifilm)	< LOQ		cfu/g	10	1908757	10/02/19	AOAC 2014.05 (RAPID)	Х
Yeast (RAPID Petrifilm)	< LOQ		cfu/g	10	1908757	10/02/19	AOAC 2014.05 (RAPID)	Х

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 Job Number:
 19-011850

 Report Number:
 19-011850-00

 Report Date:
 10/08/2019

 ORELAP#:
 OR100028

 Purchase Order:
 Received:

 09/30/19 07:30
 09/30/19 07:30

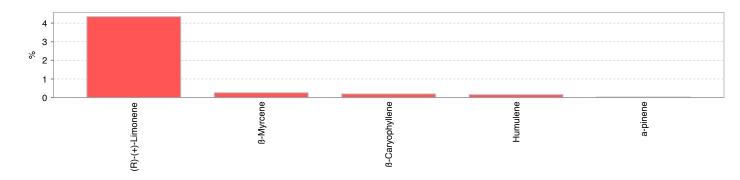
Pesticides	Method	AOAC	2007.01 & EN	l 15662 (mod)	Units mg/kg	Batch 19	08884	Analy	ze 10/02/19 04:37 PM
Analyte	Result	Limite	s LOQ Status	Notes	Analyte		Result	Limits	SLOQ Status Notes
Abamectin	< LOQ	0.50	0.250 pass		Acephate		< LOQ	0.40	0.250 pass
Acequinocyl	< LOQ	2.0	1.00 pass		Acetamiprid		< LOQ	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		Chlorantranilipre	ole	< 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< td=""><td>0.20</td><td>0.100 pass</td><td></td><td>Ethoprophos</td><td></td><td>&lt; LOQ</td><td>0.20</td><td>0.100 pass</td></loq<>	0.20	0.100 pass		Ethoprophos		< LOQ	0.20	0.100 pass
Etofenprox	< LOQ	0.40	0.200 pass		Etoxazole		< LOQ	0.20	0.100 pass
Fenoxycarb	< LOQ	0.20	0.100 pass		Fenpyroximate		< 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< td=""><td>0.20</td><td>0.100 pass</td><td></td><td>Imidacloprid</td><td></td><td>&lt; LOQ</td><td>0.40</td><td>0.200 pass</td></loq<>	0.20	0.100 pass		Imidacloprid		< LOQ	0.40	0.200 pass
Kresoxim-methyl	<loq< td=""><td>0.40</td><td>0.200 pass</td><td></td><td>Malathion</td><td></td><td>&lt; LOQ</td><td>0.20</td><td>0.100 pass</td></loq<>	0.40	0.200 pass		Malathion		< LOQ	0.20	0.100 pass
Metalaxyl	<loq< td=""><td>0.20</td><td>0.100 pass</td><td></td><td>Methiocarb</td><td></td><td>&lt; LOQ</td><td>0.20</td><td>0.100 pass</td></loq<>	0.20	0.100 pass		Methiocarb		< LOQ	0.20	0.100 pass
Methomyl	<loq< td=""><td>0.40</td><td>0.200 pass</td><td></td><td>MGK-264</td><td></td><td>&lt; LOQ</td><td>0.20</td><td>0.100 pass</td></loq<>	0.40	0.200 pass		MGK-264		< LOQ	0.20	0.100 pass
Myclobutanil	<loq< td=""><td>0.20</td><td>0.100 pass</td><td></td><td>Naled</td><td></td><td>&lt; LOQ</td><td>0.50</td><td>0.250 pass</td></loq<>	0.20	0.100 pass		Naled		< LOQ	0.50	0.250 pass
Oxamyl	<loq< td=""><td>1.0</td><td>0.500 pass</td><td></td><td>Paclobutrazole</td><td></td><td>&lt; LOQ</td><td>0.40</td><td>0.200 pass</td></loq<>	1.0	0.500 pass		Paclobutrazole		< LOQ	0.40	0.200 pass
Parathion-Methyl	<loq< td=""><td>0.20</td><td>0.200 pass</td><td></td><td>Permethrin</td><td></td><td>&lt; LOQ</td><td>0.20</td><td>0.100 pass</td></loq<>	0.20	0.200 pass		Permethrin		< LOQ	0.20	0.100 pass
Phosmet	<loq< td=""><td>0.20</td><td>0.100 pass</td><td></td><td>Piperonyl butox</td><td>ide</td><td>&lt; LOQ</td><td>2.0</td><td>1.00 pass</td></loq<>	0.20	0.100 pass		Piperonyl butox	ide	< LOQ	2.0	1.00 pass
Prallethrin	< LOQ	0.20	0.100 pass		Propiconazole		<loq< td=""><td>0.40</td><td>0.200 pass</td></loq<>	0.40	0.200 pass
Propoxur	< LOQ	0.20	0.100 pass		Pyrethrin I (tota	l)	<loq< td=""><td>1.0</td><td>0.500 pass</td></loq<>	1.0	0.500 pass
Pyridaben	< LOQ	0.20	0.100 pass		Spinosad		<loq< td=""><td>0.20</td><td>0.100 pass</td></loq<>	0.20	0.100 pass
Spiromesifen	< LOQ	0.20	0.100 pass		Spirotetramat		<loq< td=""><td>0.20</td><td>0.100 pass</td></loq<>	0.20	0.100 pass
Spiroxamine	< LOQ	0.40	0.200 pass		Tebuconazole		<loq< td=""><td>0.40</td><td>0.200 pass</td></loq<>	0.40	0.200 pass
Thiacloprid	< LOQ	0.20	0.100 pass		Thiamethoxam		<loq< td=""><td>0.20</td><td>0.100 pass</td></loq<>	0.20	0.100 pass
Trifloxystrobin	< LOQ	0.20	0.100 pass						





Job Number:	19-011850
Report Number:	19-011850-00
Report Date:	10/08/2019
ORELAP#:	OR100028
Purchase Order:	
Received:	09/30/19 07:30

Terpenes	Method	I J AOAC	C 2015 V98-6		Units % Batch	1908905	Analyz	<b>ze</b> 10/08/19	11:10 AM
Analyte	Result	LOQ	% of Total	Notes	Analyte	Result	LOQ	% of Total	Notes
(R)-(+)-Limonene <sup>†</sup>	4.35	0.020	87.00%		ß-Myrcene⁺	0.263	0.020	5.26%	
B-Caryophyllene <sup>†</sup>	0.198	0.020	3.96%		Humulene <sup>†</sup>	0.159	0.020	3.18%	
a-pinene <sup>+</sup>	0.0282	0.020	0.56%		(-)-a-Terpineol <sup>†</sup>	<loq< td=""><td>0.020</td><td>0.00%</td><td></td></loq<>	0.020	0.00%	
(-)-caryophyllene oxide <sup>†</sup>	<loq< td=""><td>0.020</td><td>0.00%</td><td></td><td>(-)-Guaiol<sup>+</sup></td><td><loq< td=""><td>0.020</td><td>0.00%</td><td></td></loq<></td></loq<>	0.020	0.00%		(-)-Guaiol <sup>+</sup>	<loq< td=""><td>0.020</td><td>0.00%</td><td></td></loq<>	0.020	0.00%	
(-)-Isopulegol <sup>†</sup>	<loq< td=""><td>0.020</td><td>0.00%</td><td></td><td>(-)-B-Pinene<sup>†</sup></td><td><loq< td=""><td>0.020</td><td>0.00%</td><td></td></loq<></td></loq<>	0.020	0.00%		(-)-B-Pinene <sup>†</sup>	<loq< td=""><td>0.020</td><td>0.00%</td><td></td></loq<>	0.020	0.00%	
(+)-Borneol <sup>†</sup>	<loq< td=""><td>0.020</td><td>0.00%</td><td></td><td>(+)-Cedrol<sup>†</sup></td><td><loq< td=""><td>0.020</td><td>0.00%</td><td></td></loq<></td></loq<>	0.020	0.00%		(+)-Cedrol <sup>†</sup>	<loq< td=""><td>0.020</td><td>0.00%</td><td></td></loq<>	0.020	0.00%	
(+)-fenchol <sup>†</sup>	< LOQ	0.020	0.00%		(+)-Pulegone <sup>+</sup>	<loq< td=""><td>0.020</td><td>0.00%</td><td></td></loq<>	0.020	0.00%	
(±)-Camphor <sup>†</sup>	<loq< td=""><td>0.020</td><td>0.00%</td><td></td><td>(±)-cis-Nerolidol<sup>†</sup></td><td><loq< td=""><td>0.020</td><td>0.00%</td><td></td></loq<></td></loq<>	0.020	0.00%		(±)-cis-Nerolidol <sup>†</sup>	<loq< td=""><td>0.020</td><td>0.00%</td><td></td></loq<>	0.020	0.00%	
(±)-fenchone <sup>+</sup>	<loq< td=""><td>0.020</td><td>0.00%</td><td></td><td>(±)-trans-Nerolidol<sup>†</sup></td><td><loq< td=""><td>0.020</td><td>0.00%</td><td></td></loq<></td></loq<>	0.020	0.00%		(±)-trans-Nerolidol <sup>†</sup>	<loq< td=""><td>0.020</td><td>0.00%</td><td></td></loq<>	0.020	0.00%	
a-Bisabolol <sup>+</sup>	< LOQ	0.020	0.00%		a-cedrene <sup>+</sup>	<loq< td=""><td>0.020</td><td>0.00%</td><td></td></loq<>	0.020	0.00%	
a-phellandrene <sup>†</sup>	< LOQ	0.020	0.00%		a-Terpinene <sup>+</sup>	<loq< td=""><td>0.020</td><td>0.00%</td><td></td></loq<>	0.020	0.00%	
Camphene <sup>†</sup>	< LOQ	0.020	0.00%		cis-B-Ocimene <sup>†</sup>	<loq< td=""><td>0.006</td><td>0.00%</td><td></td></loq<>	0.006	0.00%	
d-3-Carene <sup>+</sup>	< LOQ	0.020	0.00%		Eucalyptol <sup>†</sup>	<loq< td=""><td>0.020</td><td>0.00%</td><td></td></loq<>	0.020	0.00%	
farnesenet	< LOQ	0.020	0.00%		gamma-Terpinene <sup>†</sup>	<loq< td=""><td>0.020</td><td>0.00%</td><td></td></loq<>	0.020	0.00%	
Geraniol <sup>†</sup>	< LOQ	0.020	0.00%		Geranyl acetate <sup>+</sup>	<loq< td=""><td>0.020</td><td>0.00%</td><td></td></loq<>	0.020	0.00%	
Isoborneol <sup>†</sup>	< LOQ	0.020	0.00%		Linalool <sup>+</sup>	<loq< td=""><td>0.020</td><td>0.00%</td><td></td></loq<>	0.020	0.00%	
Menthol <sup>†</sup>	<loq< td=""><td>0.020</td><td>0.00%</td><td></td><td>nerol<sup>†</sup></td><td><loq< td=""><td>0.020</td><td>0.00%</td><td></td></loq<></td></loq<>	0.020	0.00%		nerol <sup>†</sup>	<loq< td=""><td>0.020</td><td>0.00%</td><td></td></loq<>	0.020	0.00%	
p-Cymene <sup>+</sup>	<loq< td=""><td>0.020</td><td>0.00%</td><td></td><td>Sabinenet</td><td><loq< td=""><td>0.020</td><td>0.00%</td><td></td></loq<></td></loq<>	0.020	0.00%		Sabinenet	<loq< td=""><td>0.020</td><td>0.00%</td><td></td></loq<>	0.020	0.00%	
Sabinene hydrate <sup>+</sup>	<loq< td=""><td>0.020</td><td>0.00%</td><td></td><td>Terpinolene<sup>+</sup></td><td><loq< td=""><td>0.020</td><td>0.00%</td><td></td></loq<></td></loq<>	0.020	0.00%		Terpinolene <sup>+</sup>	<loq< td=""><td>0.020</td><td>0.00%</td><td></td></loq<>	0.020	0.00%	
trans-B-Ocimene <sup>+</sup>	< LOQ	0.013	0.00%		valencene <sup>†</sup>	<loq< td=""><td>0.020</td><td>0.00%</td><td></td></loq<>	0.020	0.00%	
Total Terpenes	5.00								

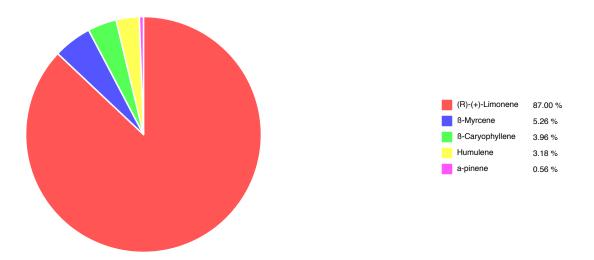


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Job Number:	19-011850
<b>Report Number:</b>	19-011850-00
Report Date:	10/08/2019
ORELAP#:	OR100028
Purchase Order:	
Received:	09/30/19 07:30



Metals								
Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes
Arsenic	<loq< td=""><td></td><td>mg/kg</td><td>0.0474</td><td>1908949</td><td>10/03/19</td><td>AOAC 2013.06 (mod.)</td><td>х</td></loq<>		mg/kg	0.0474	1908949	10/03/19	AOAC 2013.06 (mod.)	х
Cadmium	< LOQ		mg/kg	0.0474	1908949	10/03/19	AOAC 2013.06 (mod.)	х
Lead	< LOQ		mg/kg	0.0474	1908949	10/03/19	AOAC 2013.06 (mod.)	х
Mercury	<loq< td=""><td></td><td>mg/kg</td><td>0.0237</td><td>1908949</td><td>10/03/19</td><td>AOAC 2013.06 (mod.)</td><td>х</td></loq<>		mg/kg	0.0237	1908949	10/03/19	AOAC 2013.06 (mod.)	х

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





 Job Number:
 19-011850

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 19-011850-00

 Report Date:
 10/08/2019

 ORELAP#:
 OR100028

 Purchase Order:
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 09/30/19 07:30

#### 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.

<sup>†</sup> = Analyte not NELAP accredited.

#### Units of Measure

cfu/g = Colony forming units per gram g = Gram mg/kg = Milligram per kilogram = parts per million (ppm) mg/27.76g = Milligram per 27.76g % = Percentage of sample % wt =  $\mu$ g/g divided by 10,000

*Glossary of Qualifiers* X: Not ORELAP accredited.

Approved Signatory

Derrick Tanner General Manager

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