# **CERTIFICATE OF ANALYSIS**

PRODUCT NAME: Organic CBD Full Spectrum Tincture - Key Lime

PRODUCT STRENGTH: 2250mg
TINCTURE BATCH: 221017A

**BEST BY DATE:** 2/23/2024

**HEMP EXTRACT LOT:** BCA-000409-220624

### Physical Atttributes

Test	Method	Specification	Results
Color	Internal	Golden to Amber	PASS
Odor	Internal	Characteristic - Coconut and Hemp - Lime	PASS
Appearance	Internal	Golden to Amber oil in brown glass bottle with dropper.	PASS
Primary Package Eval.	Internal	Container clean and free of filth. Container caps tight and shrink bands intact	PASS
Secondary Package Eval.	Internal	Labeling Compliance Checked, Cartons sturdy and clean. Sufficient cushion material exists. Box taped and secure.	PASS

#### Review of Third-Party Analysis

Panel	Method	Specification	Results*	Pass/Fail
Potency - Total CBD	HPLC-UV DAD	*NLT (product strength) mg / bottle	2314mg	PASS
Potency - D9-THC	HPLC-UV DAD	LOQ: 10 ppm (.001-0.3%)	795mg	PASS
Expanded Pesticide Panel	HPLC-QQQ	LOQ: Complies with CDPHE 6 CCR 1010-21 Industrial Hemp Extract	ND	PASS
Microbial Escherichia coli (STEC)	PCR	Complies with CDPHE 6 CCR 1010-21 - LOQ 1 CFU/25 gram	Below LOQ	PASS
Microbial Salmonella	PCR	Complies with CDPHE 6 CCR 1010-21 - LOQ 1 CFU/25 gram	Below LOQ	PASS
Microbial Yeast and Mold	Culture Plating	Complies with CDPHE 6 CCR 1010-21 - LOQ 10^2 CFU/gram	Below LOQ	PASS
Microbial Total Coliforms*	Culture Plating	Complies with CDPHE 6 CCR 1010-21 - LOQ 10^2 CFU/gram	Below LOQ	PASS
Microbial Total Aerobic Count*	Culture Plating	Complies with CDPHE 6 CCR 1010-21 - LOQ 10^3 CFU/gram	Below LOQ	PASS
Heavy Metals Panel	ICP-MS	Arsenic (As): ≤1.5 ppm Cadmium (Cd): ≤0.5 ppm Lead (Pb): ≤0.5 ppm Mercury (Hg): ≤1.5 ppm	ND	PASS
Mycotoxins	ICP-MS	Total Aflatoxins <20 ppb† Afltoxin B1 < 5 ppb Ochratoxin < 5ppb	ND	PASS
Residual Solvents	GC-HS-MSD	LOQ: Complies with CDPHE 6 CCR 1010-21 Industrial Hemp Extract	ND	PASS

\*\*Level of Quantitation, † Parts Per Million † Part Per Billion CFU/g=Colony Forming Units per Gram \*Nothing Less Than 10^2=100 CFU 10^3=1,000 CFU

Quality Certified

10/28/22

Date





**Report Number:** 22-007617/D003.R000

**Report Date:** 07/07/2022 **ORELAP#:** OR100028

**Purchase Order:** 

**Received:** 06/29/22 11:00

 Product identity:
 OFTKL2250-221017A

 Client/Metrc ID:
 BCA-000409-220624 .

 Laboratory ID:
 22-007617-0001

# **Summary**

D,	nt	-Δ	n	C	•	•
٠,	v	·C	••	U)	y	•

Analyte	Result	Limits	Units	Status	CBD-Total per 1g	81.2 mg/1g		
CBC	0.0211		%					
CBD	8.12		%		<u> </u>			
CBDV <sup>†</sup>	0.0360		%		THC-Total per 1g	2.79 mg/1g		
CBE <sup>†</sup>	0.0973		%		(Reported in milligrams per serving)			
CBG <sup>†</sup>	0.439		%		(Neported in milli	grams per serving)		
CBL <sup>†</sup>	0.0145		%					
CBN	0.0227		%					
CBT <sup>†</sup>	0.345		%					
Δ9-THC	0.279		%					
Analyte per 1g	Result	Limits	Units	Status				
CBC per 1g <sup>†</sup>	0.211		mg/1g					
CBD per 1g	81.2		mg/1g					
CBDV per 1g <sup>†</sup>	0.360		mg/1g					
CBE per 1g <sup>†</sup>	0.973		mg/1g					
CBG per 1g <sup>†</sup>	4.39		mg/1g					
CBL per 1g <sup>†</sup>	0.145		mg/1g					
CBN per 1g	0.227		mg/1g					
CBT per 1g <sup>†</sup>	3.45		mg/1g					
Δ9-THC per 1g	2.79		mg/1g					

# **Residual Solvents:**

All analytes passing and less than LOQ.

#### Pesticides:

All analytes passing and less than LOQ.

#### Metals:

Less than LOQ for all analytes.

#### Microbiology:

Less than LOQ for all analytes.

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# CERTIFICATE OF ANALYSIS

#### **OFTKL2250**

Batch ID or Lot Number: <b>221017A</b>	Test: Microbial Contaminants	Reported: 21Oct2022	USDA License: N/A	
Matrix:	Test ID:	Started:	Sampler ID:	
Finished Product	T000224972	18Oct2022	N/A	
	Method(s):	Received:	Status:	
	TM25 (qPCR) TM24, TM26, TM27	18Oct2022	Active	
	(Culture Plating): Microbial (Colorac	do		
	Panel)			

Microbial			Quantitation		
Contaminants	Method	LOD	Range	Result	Notes
STEC	TM25: PCR	10 <sup>0</sup> CFU/25g	NA	Absent	Free from visual mold, mildew, and foreign matter
Salmonella	TM25: PCR	10 <sup>0</sup> CFU/25g	NA	Absent	- Toreign matter
Total Yeast and Mold*	TM24: Culture Plating	10 <sup>1</sup> CFU/g	1.0x10 <sup>2</sup> - 1.5x10 <sup>4</sup>	None Detected	_
Total Aerobic Count*	TM26: Culture Plating	10 <sup>2</sup> CFU/g	1.0x10 <sup>3</sup> - 1.5x10 <sup>5</sup>	None Detected	_
Total Coliforms*	TM27: Culture Plating	10 <sup>1</sup> CFU/g	1.0x10 <sup>2</sup> - 1.5x10 <sup>4</sup>	None Detected	_

**Final Approval** 

Eden Thompson

Eden Thompson-Wright 21Oct2022 03:19:00 PM MDT

Buanne Maillot

Brianne Maillot 21Oct2022 04:17:00 PM MDT



PREPARED BY / DATE

APPROVED BY / DATE

https://results.botanacor.com/api/v1/coas/uuid/a77cba68-f15f-4647-8782-950e9693eb54

#### Definitions

\* Values recorded in scientific notation, a common microbial practice of expressing numbers that are too large to be conveniently written in decimal form. Examples: 10<sup>2</sup> = 100 CFU, 10<sup>3</sup> = 1,000 CFU, 10<sup>4</sup> = 10,000 CFU, 10<sup>5</sup> = 100,000 CFU

CFU/g = Colony Forming Units per Gram, LOD = Limit of Detection

ULOQ = Upper Limit of Quantitation, LLOQ = Lower Limit of Quantitation STEC = Shiga Toxin-Producing E. coli

Testing results are based solely upon the sample submitted to SC Laboratories, Inc., in the condition it was received. SC Laboratories, Inc., 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 SC Laboratories, Inc. ISO/IEC 17025:2017 Accredited by A2LA.











Cert #4329.02

CDPHE Certified a77cba68f15f46478782950e9693eb54.1





**Report Number:** 22-007617/D003.R000

**Report Date:** 07/07/2022 **ORELAP#:** OR100028

**Purchase Order:** 

**Received:** 06/29/22 11:00

Product identity: BCA-000409-220624.

Client/Metrc ID:

Sample Date: OFTKL2250-221017A

Laboratory ID:

**Evidence of Cooling: 22-007617-0001** 

Temp: Relinquished No by: Serving Size #1: 26.2 °C UPS

1 g

# **Sample Results**

Potency	Method: J AOAC 2015 V9	8-6 (mod)	Units %	Batch: 2205650	Analyze: 7/2/22 3	3:45:00 AM
Analyte	Result	Limits	Units	LOQ	!	Notes
CBC	0.0211		%	0.00321		
CBC-A <sup>†</sup>	< LOQ		%	0.00321		
CBC-Total <sup>†</sup>	0.0211		%	0.00603		
CBD	8.12		%	0.0321		
CBD-A	< LOQ		%	0.00321		
CBD-Total	8.12		%	0.0349		
CBDV <sup>†</sup>	0.0360		%	0.00321		
CBDV-A <sup>†</sup>	< LOQ		%	0.00321		
CBDV-Total <sup>†</sup>	0.0360		%	0.00600		
CBE <sup>†</sup>	0.0973		%	0.00321		
CBG <sup>†</sup>	0.439		%	0.00321		
CBG-A <sup>†</sup>	< LOQ		%	0.00321		
CBG-Total	0.439		%	0.00600		
CBL <sup>†</sup>	0.0145		%	0.00321		
CBL-A <sup>†</sup>	< LOQ		%	0.00321		
CBL-Total <sup>†</sup>	0.0145		%	0.00603		
CBN	0.0227		%	0.00321		
CBT <sup>†</sup>	0.345		%	0.00321		
$\Delta 8$ -THCV	< LOQ		%	0.00321		
$\Delta 8$ -THC	< LOQ		%	0.00321		
$\Delta 9$ -THC	0.279		%	0.00321		
exo-THC	< LOQ		%	0.00321		
THC-A	< LOQ		%	0.00321		
THC-Total	0.279		%	0.00603		
THCV <sup>†</sup>	< LOQ		%	0.00321		
THCV-A <sup>†</sup>	< LOQ		%	0.00321		
THCV-Total <sup>†</sup>	< LOQ		%	0.00600		
Total Cannabinoids <sup>†</sup>	9.37		%			

Potency per 1g	Method: J AOAC 2015 V	98-6 (mod)	Units mg/se Ba	tch: 2205650	<b>Analyze:</b> 7/2/22 3:45:00 AM
Analyte	Result	Limits	Units	LOQ	Notes
CBC per 1g <sup>†</sup>	0.211		mg/1g	0.0321	

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CBD-A per 1g

Total Cannabinoids per 1g

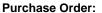
12423 NE Whitaker Way Portland, OR 97230 503-254-1794

**Report Date:** ORELAP#:

**Report Number:** 

22-007617/D003.R000

07/07/2022 OR100028



0.0321

Received: 06/29/22 11:00

Potency per 1g	Method: J AOAC 2015 V9	8-6 (mod)	Units mg/se Ba	tch: 2205650	<b>Analyze:</b> 7/2/22 3:45:00 AM
Analyte	Result	Limits	Units	LOQ	Notes
CBC-A per 1g <sup>†</sup>	< LOQ		mg/1g	0.0321	
CBC-Total per 1g <sup>†</sup>	0.211		mg/1g	0.0603	
CBD per 1g	81.2		mg/1g	0.321	

mg/1g

CBD-Total per 1g 81.2 0.349 mg/1g CBDV per 1g<sup>†</sup> 0.360 0.0321 mg/1g CBDV-A per 1g<sup>†</sup> < LOQ 0.0321 mg/1g CBDV-Total per 1g<sup>†</sup> 0.360 0.0600 mg/1g 0.0321 CBE per 1g<sup>†</sup> 0.973 mg/1g CBG per 1g<sup>†</sup> 4.39 mg/1g 0.0321 CBG-A per 1g<sup>†</sup> < LOQ 0.0321 mg/1g CBG-Total per 1g<sup>†</sup> 4.39 mg/1g 0.0600

< LOQ

CBL per 1g<sup>†</sup> 0.145 mg/1g 0.0321 CBL-A per 1g1 < LOQ mg/1g 0.0321 CBL-Total per 1g<sup>†</sup> 0.145 0.0603 mg/1g CBN per 1g 0.227 0.0321 mg/1g

CBT per 1g<sup>†</sup> 0.0321 3.45 mg/1g  $\Delta 8$ -THCV per 1g<sup>†</sup> < LOQ mg/1g 0.0321  $\Delta 8$ -THC per 1g<sup>†</sup> < LOQ 0.0321 mg/1g 0.0321  $\Delta 9$ -THC per 1g 2.79 mg/1g 0.0321 exo-THC per 1g<sup>†</sup> < LOQ mg/1g

THC-A per 1g < LOQ 0.0321 mg/1g THC-Total per 1g 2.79 mg/1g 0.0603 THCV per 1g<sup>†</sup> < LOQ 0.0321 mg/1g THCV-A per 1g<sup>†</sup> < LOQ mg/1g 0.0321 THCV-Total per 1g<sup>†</sup> < LOQ 0.0603 mg/1g

93.7

Microbiology									
Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Status	Notes
Aerobic Plate Count	< LOQ	10,000.00	cfu/g	10	2205548	07/02/22	AOAC 990.12 (Petrifilm)	pass	Χ
E.coli	< LOQ	100.00	cfu/g	10	2205546	07/02/22	AOAC 991.14 (Petrifilm)	pass	Χ
Total Coliforms	< LOQ	100.00	cfu/g	10	2205546	07/02/22	AOAC 991.14 (Petrifilm)	pass	X
Mold (RAPID Petrifilm)	< LOQ	1,000.00	cfu/g	10	2205547	07/03/22	AOAC 2014.05 (RAPID)	pass	X
Yeast (RAPID Petrifilm)	< LOQ	1,000.00	cfu/g	10	2205547	07/03/22	AOAC 2014.05 (RAPID)	pass	X
Salmonella spp. by PCR	Negative		/25g		2205551	07/01/22	AOAC 2020.02		X
EHEC including STEC	Negative		/25g		2205553	07/01/22	AOAC RI 121806		Χ

mg/1g



**Report Date:** 07/07/2022 ORELAP#: OR100028

**Purchase Order:** 

**Report Number:** 

Received: 06/29/22 11:00

22-007617/D003.R000



Solvents	Method:	Residua	I Solve	ents by	GC/MS	Units µg/g Ba	atch 2205605	Analyz	e 07/01/22 12:42 PM
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ Status Notes
2-Methylbutane	< LOQ	1000	200	pass		2-Methylpentane	< LOQ	60.0	30.0 pass
2-Propanol (IPA)	< LOQ	1000	200	pass		2,2-Dimethylbutan	ne < LOQ	60.0	30.0 pass
2,2-Dimethylpropane	< LOQ	1000	200	pass		2,3-Dimethylbutan	ne < LOQ	60.0	30.0 pass
3-Methylpentane	< LOQ	60.0	30.0	pass		Acetone	< LOQ	1000	200 pass
Benzene	< LOQ	2.00	1.00	pass		Butanes (sum)	< LOQ	1000	400 pass
Ethanol <sup>†</sup>	< LOQ	1000	200	pass		Ethyl acetate	< LOQ	1000	200 pass
Hexanes (sum)	< LOQ	60.0	150	pass		m,p-Xylene	< LOQ	430	200 pass
Methanol	< LOQ	600	200	pass		Methylpropane	< LOQ	1000	200 pass
n-Butane	< LOQ	1000	200	pass		n-Heptane	< LOQ	1000	200 pass
n-Hexane	< LOQ	60.0	30.0	pass		n-Pentane	< LOQ	1000	200 pass
o-Xylene	< LOQ	430	200	pass		Pentanes (sum)	< LOQ	1000	600 pass
Propane	< LOQ	1000	200	pass		Toluene	< LOQ	180	100 pass
Total Xylenes	< LOQ	430	400	pass					



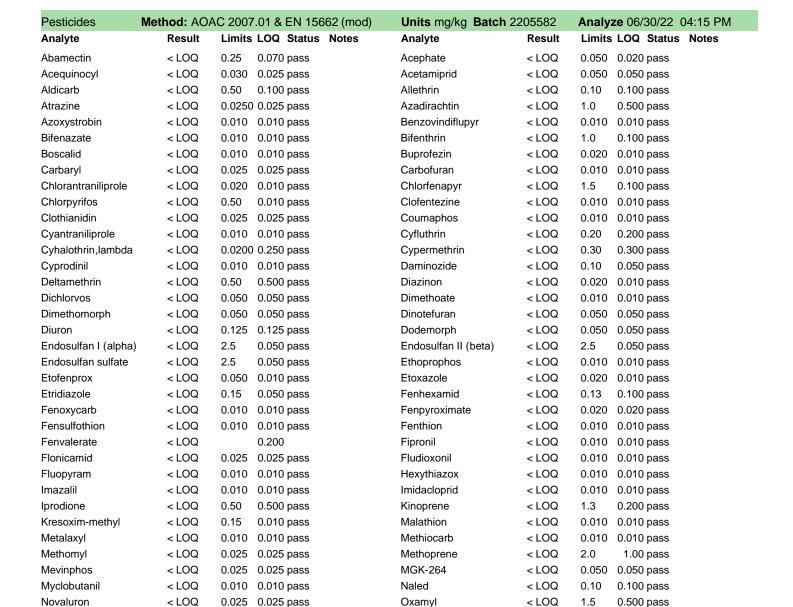
**Report Date:** 07/07/2022 **ORELAP#:** OR100028

22-007617/D003.R000



**Report Number:** 

**Received:** 06/29/22 11:00



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Parathion-Methyl

Piperonyl butoxide

Pyrethrins (total)

Pyriproxyfen

Resmethrin

Spiromesifen

Spiroxamine

Spinosad

Phenothrin

Prallethrin

Propoxur

< LOQ

0.050 0.030 pass

0.050 0.050 pass

0.010 0.010 pass

0.050 0.025 pass

0.0100 0.010 pass

0.050 0.020 pass

0.025 pass

0.200 pass

0.010 pass

0.030 pass

0.010 pass

0.050

0.010

3.0

0.10

1.3

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0.010 pass

0.040 pass

0.010 pass

0.010 pass

0.020 pass

0.020 pass

0.010 pass

0.250 pass

0.010 pass

0.020 0.010 pass

0.010 0.010 pass

0.010

0.010

0.10

0.020

0.020

0.010

0.010

0.25

0.50

< LOQ

Paclobutrazole

Permethrin

Phosmet

Pirimicarb

Propiconazole

Pyraclostrobin Pyridaben

Quintozene

Spinetoram

Spirodiclofen

Spirotetramat





22-007617/D003.R000 **Report Number:** 

**Report Date:** 07/07/2022 ORELAP#: OR100028

**Purchase Order:** 

Received: 06/29/22 11:00

Pesticides	Method: AO	AC 2007.01 & EN 15662 (mod)	Units mg/kg Batch 220	05582	<b>Analyze</b> 06/30/22 04:15 PM	
Analyte	Result	Limits LOQ Status Notes	Analyte	Result	Limits LOQ Status Notes	
Tebuconazole	< LOQ	0.010 0.010 pass	Tebufenozide	< LOQ	0.010 0.010 pass	
Teflubenzuron	< LOQ	0.025 0.025 pass	Tetrachlorvinphos	< LOQ	0.010 0.010 pass	
Tetramethrin	< LOQ	0.10 0.050 pass	Thiacloprid	< LOQ	0.010 0.010 pass	
Thiamethoxam	< LOQ	0.010 0.010 pass	Thiophanate-Methyl	< LOQ	0.050 0.030 pass	
Trifloxystrobin	< LOQ	0.010 0.010 pass				

Metals									
Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Status	Notes
Arsenic	< LOQ	1.50	mg/kg	0.0978	2205591	06/30/22	AOAC 2013.06 (mod.)	pass	Χ
Cadmium	< LOQ	0.50	mg/kg	0.0978	2205591	06/30/22	AOAC 2013.06 (mod.)	pass	Χ
Lead	< LOQ	0.50	mg/kg	0.0978	2205591	06/30/22	AOAC 2013.06 (mod.)	pass	Χ
Mercury	< LOQ	1.50	mg/kg	0.0489	2205591	06/30/22	AOAC 2013.06 (mod.)	pass	Χ

Mycotoxins								
Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Status Notes
Aflatoxin B2 <sup>†</sup>	< LOQ	5.00	μg/kg	5.00	2205724	07/07/22	AOAC 2007.01 & EN	pass
Aflatoxin B1 <sup>†</sup>	< LOQ	5.00	μg/kg	5.00	2205724	07/07/22	AOAC 2007.01 & EN	pass
Aflatoxin G1 <sup>†</sup>	< LOQ	5.00	μg/kg	5.00	2205724	07/07/22	AOAC 2007.01 & EN	pass
Aflatoxin G2 <sup>†</sup>	< LOQ	5.00	μg/kg	5.00	2205724	07/07/22	AOAC 2007.01 & EN	pass
Ochratoxin A <sup>†</sup>	< LOQ	5.00	μg/kg	5.00	2205724	07/07/22	AOAC 2007.01 & EN	pass
Ochratoxin B <sup>†</sup>	< LOQ		μg/kg	2.00	2205724	07/07/22	AOAC 2007.01 & EN	