

Organic CBD Full Spectrum Tincture - Key Lime **PRODUCT NAME:** 

**PRODUCT STRENGTH:** 1350mg 230919B **TINCTURE BATCH:** 9/19/2025

**BEST BY DATE: HEMP EXTRACT LOT:** NF/Q/2232:

### Physical Atttributes

Test	Method	Specification	Results
Color	Joy Internal	Golden to Amber	PASS
Odor	Joy Internal	Characteristic - Coconut and hemp, lime	PASS
Appearance	Joy Internal	Golden to Amber oil in brown glass bottle with dropper.	PASS
Primary Package Eval.	Joy Internal	Container clean and free of filth. Container caps tight and shrink bands intact	PASS
Secondary Package Eval.	Joy 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	2283mg	PASS
Potency - D9-THC	HPLC-UV DAD	LOQ: 10 ppm (.001-0.3%) <b>62mg</b>		PASS
Expanded Pesticide Panel	HPLC-QQQ	LOQ: Complies with CDPHE 6 CCR 1010-21 Industrial Hemp Extract		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		PASS
Mycotoxins	ICP-MS	Total Aflatoxins <20 ppb† Afltoxin B1 < 5 ppb Ochratoxin < 5ppb		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

10/26/2023

Quality Certified

Name

Date



### 2250mg Full Spectrum Key Lime Tincture

Batch ID or Lot Number: 230919B	Test: <b>Potency</b>	Reported: 20Sep2023	USDA License: N/A
Matrix: Concentrate	Test ID: T000256250	Started: 19Sep2023	Sampler ID: N/A
Concentrate	Method(s):	Received:	Status:
	TM14 (HPLC-DAD): Potency – Standard Cannabinoid Analysis	18Sep2023	Active

Cannabinoids	<b>LOD</b> (%)	LOQ (%)	Result (%)	Result (mg/g)
Cannabichromene (CBC)	0.005	0.017	0.293	2.93
Cannabichromenic Acid (CBCA)	0.004	0.016	ND	ND
Cannabidiol (CBD)	0.020	0.052	7.685	76.85
Cannabidiolic Acid (CBDA)	0.021	0.053	<loq< td=""><td><loq< td=""></loq<></td></loq<>	<loq< td=""></loq<>
Cannabidivarin (CBDV)	0.005	0.012	0.053	0.53
Cannabidivarinic Acid (CBDVA)	0.009	0.022	ND	ND
Cannabigerol (CBG)	0.003	0.010	ND	ND
Cannabigerolic Acid (CBGA)	0.011	0.041	ND	ND
Cannabinol (CBN)	0.003	0.013	<loq< td=""><td><loq< td=""></loq<></td></loq<>	<loq< td=""></loq<>
Cannabinolic Acid (CBNA)	0.008	0.028	ND	ND
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.013	0.049	ND	ND
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.012	0.044	0.210	2.10
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.011	0.039	ND	ND
Tetrahydrocannabivarin (THCV)	0.002	0.009	ND	ND
Tetrahydrocannabivarinic Acid (THCVA)	0.009	0.035	ND	ND
Total Cannabinoids			8.241	82.41
Total Potential THC			0.210	2.10
Total Potential CBD			7.685	76.85

**Final Approval** 



Karen Winternheimer 20Sep2023 09:31:00 AM MDT

Samantha Smoth

Sam Smith 20Sep2023 09:33:00 AM MDT



APPROVED BY / DATE

https://results.botanacor.com/api/v1/coas/uuid/f537d549-ae1f-4be9-b5a5-757c75498f90

#### Definitions

% = % (w/w) = Percent (weight of analyte / weight of product). ND = None Detected (defined by dynamic range of the method).

Total Potential Delta 9-THC or CBD is calculated to take into account the loss of a carboxyl group during decarboxylation step, using the following formulas: Total Potential Delta 9-THC + (Delta 9-THC + (Delta 9-THC a \*(0.877)) and Total CBD = CBD + (CBDa \*(0.877)).

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.













2250mg Full Spectrum Key Lime Tincture

Batch ID: 2309	n ID: 230919B Test ID:		T000126131
Туре:	Concentrate	Submitted:	02/25/2021 @ 12:03 PM
Test:	Pesticides	Started:	2/25/2021
Method:	TM17	Reported:	3/1/2021

### PESTICIDE RESIDUE

Dynamic Range (ppb)	Result (ppb)
34 - 2468	ND*
40 - 2468	ND*
>342	ND*
42 - 2468	ND*
28 - 2468	ND*
42 - 2468	ND*
38 - 2468	ND*
39 - 2468	ND*
37 - 2468	ND*
42 - 2468	ND*
269 - 2468	ND*
280 - 2468	ND*
>286	ND*
40 - 2468	ND*
279 - 2468	ND*
41 - 2468	ND*
289 - 2468	ND*
>31	ND*
38 - 2468	ND*
38 - 2468	ND*
>286	ND*
36 - 2468	ND*
272 - 2468	ND*
41 - 2468	ND*
43 - 2468	ND*
	34 - 2468 40 - 2468 >342 42 - 2468 28 - 2468 42 - 2468 38 - 2468 39 - 2468 42 - 2468 42 - 2468 269 - 2468 280 - 2468 >286 40 - 2468 279 - 2468 41 - 2468 289 - 2468 38 - 2468 38 - 2468 >31 38 - 2468 36 - 2468 272 - 2468 41 - 2468

Compound	Dynamic Range (ppb)	Result (ppb)
Malathion	291 - 2468	ND*
Metalaxyl	39 - 2468	ND*
Methiocarb	38 - 2468	ND*
Methomyl	42 - 2468	ND*
MGK 264 1	160 - 2468	ND*
MGK 264 2	101 - 2468	ND*
Myclobutanil	38 - 2468	ND*
Naled	41 - 2468	ND*
Oxamyl	38 - 2468	ND*
Paclobutrazol	40 - 2468	ND*
Permethrin	269 - 2468	ND*
Phosmet	41 - 2468	ND*
Prophos	298 - 2468	ND*
Propoxur	38 - 2468	ND*
Pyridaben	281 - 2468	ND*
Spinosad A	30 - 2468	ND*
Spinosad D	76 - 2468	ND*
Spiromesifen	>273	ND*
Spirotetramat	>299	ND*
Spiroxamine 1	17 - 2468	ND*
Spiroxamine 2	22 - 2468	ND*
Tebuconazole	285 - 2468	ND*
Thiacloprid	42 - 2468	ND*
Thiamethoxam	38 - 2468	ND*
Trifloxystrobin	40 - 2468	ND*
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N/A

### FINAL APPROVAL

Jefry Win

Tyler Wiese 1-Mar-2021 12:03 PM Den Muton

Ben Minton 1-Mar-2021 1:06 PM

PREPARED BY / DATE

APPROVED BY / DATE

Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, 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 Laboratories, LLC.

<sup>\*</sup> ND = None Detected (Defined by Dynamic Range of the method)



### 2250mg Full Spectrum Key Lime Tincture

Batch ID or Lot Number: 230919B	Test: <b>Mycotoxins</b>	Reported: 21Oct2022	USDA License: N/A
Matrix:	Test ID:	Started:	Sampler ID:
Concentrate	T000223802	19Oct2022	N/A
	Method(s):	Received:	Status:
	TM18 (UHPLC-QQQ LCMS/MS): Mycotoxins	07Oct2022	Active

1.29 - 118.48	ND	N/A
0.85 - 30.17	ND	
2.29 - 29.70	ND	
0.97 - 29.91	ND	
1.18 - 29.79	ND	
and G2)	ND	
	2.29 - 29.70 0.97 - 29.91 1.18 - 29.79	2.29 - 29.70 ND 0.97 - 29.91 ND 1.18 - 29.79 ND

**Final Approval** 

PREPARED BY / DATE

Sam Smith 21Oct2022 10:29:00 AM MDT

APPROVED BY / DATE

21Oct2022 10:31:00 AM MDT

Karen Winternheimer



https://results.botanacor.com/api/v1/coas/uuid/8ccc393e-3ea3-4eb0-90d5-8e4c9ec4fb5e

ND = None Detected (defined by dynamic range of the method) Dynamic Range = Limit of Quantitation (LOQ) through Upper Limit of Method Range

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2250mg Full Spectrum Key Lime Tincture

Batch ID: 23	0919B	Test ID:	T000126134
Туре:	Concentrate	Submitted:	02/25/2021 @ 12:03 PM
Test:	Residual Solvents	Started:	3/2/2021
Method:	TM04	Reported:	3/2/2021

## **RESIDUAL SOLVENTS**

Solvent	Dynamic Range (ppm)	Result (ppm)
Propane	96 - 1911	*ND
Butanes (Isobutane, n-Butane)	178 - 3556	*ND
Methanol	53 - 1054	*ND
Pentane	91 - 1816	*ND
Ethanol	92 - 1838	*ND
Acetone	92 - 1849	*ND
Isopropyl Alcohol	97 - 1933	*ND
Hexane	6 - 116	*ND
Ethyl Acetate	96 - 1919	*ND
Benzene	0.2 - 3.7	*ND
Heptanes	92 - 1838	*ND
Toluene	17 - 335	*ND
Xylenes (m,p,o-Xylenes)	118 - 2359	*ND

<sup>\*</sup> ND = None Detected (Defined by Dynamic Range of the method)

NOTES: N/A

## **FINAL APPROVAL**

Majour Neuss

Ryan Weems 2-Mar-2021 3:08 PM Den Miton

Ben Minton 2-Mar-2021 6:32 PM

PREPARED BY / DATE

APPROVED BY / DATE

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2250mg Full Spectrum Key Lime Tincture

Batch ID:230	919B	Test ID:	T000126133
Туре:	Concentrate	Submitted:	02/25/2021 @ 12:03 PM
Test:	Metals	Started:	3/2/2021
Method:	TM19	Reported:	3/3/2021

### **HEAVY METALS**

Analyte	Dynamic Range (ppm)	Result (ppm)	
Arsenic	0.092 - 9.20	ND	
Cadmium	0.095 - 9.53	ND	
Mercury	0.095 - 9.55	ND	
Lead	0.095 - 9.52	ND	

<sup>\*</sup> ND = None Detected (Defined by Dynamic Range of the method)

### FINAL APPROVAL

Danuel Wastersand

Daniel Weidensaul 3-Mar-2021 11:00 AM

Den Minton

Ben Minton 3-Mar-2021 12:36 PM

PREPARED BY / DATE

APPROVED BY / DATE

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### 2250mg Full Spectrum Key Lime Tincture

Batch ID or Lot Number: 230919B	Test: Microbial Contaminants	Reported: 25Sep2023	USDA License: N/A			
Matrix:	Test ID:	Started:	Sampler ID:			
Finished Product	T000256846	21Sep2023	N/A			
	Method(s):	Received:	Status:			
	TM25 (qPCR) TM24, TM26, TM27	21Sep2023	Active			
	(Culture Plating): Microbial (Colorado					
	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		
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**

Root Tahun

Brett Hudson 24Sep2023 10:32:00 AM MDT

Buanne Maillot

Brianne Maillot 25Sep2023 12:13:00 PM MDT



PREPARED BY / DATE

APPROVED BY / DATE

https://results.botanacor.com/api/v1/coas/uuid/7ff1f8f9-6ac3-4103-8cf8-735f379bf91a

#### 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

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