

PRODUCT NAME: Organic CBD Full Spectrum Tincture - Natural

PRODUCT STRENGTH: 1350mg 230914B **TINCTURE BATCH:** 9/14/2025 **BEST BY DATE:**

HEMP EXTRACT LOT: LD-0-00108

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	1642mg	PASS
Potency - D9-THC	HPLC-UV DAD	LOQ: 10 ppm (.001-0.3%)	48mg	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

10/18/2023



1350mg CBD Tincture- Natural

Batch ID or Lot Number: 230914B	Test: Potency	Reported: 10Dec2022	USDA License: N/A
Matrix:	Test ID:	Started:	Sampler ID:
Concentrate	T000230173	08Dec2022	N/A
	Method(s):	Received:	Status:
	TM14 (HPLC-DAD): Potency – Standard Cannabinoid Analysis	08Dec2022	Active

Cannabinoids	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)
Cannabichromene (CBC)	0.006	0.022	0.210	2.10
Cannabichromenic Acid (CBCA)	0.006	0.020	ND	ND
Cannabidiol (CBD)	0.018	0.058	5.527	55.27
Cannabidiolic Acid (CBDA)	0.019	0.060	<loq< td=""><td><loq< td=""></loq<></td></loq<>	<loq< td=""></loq<>
Cannabidivarin (CBDV)	0.004	0.014	0.040	0.40
Cannabidivarinic Acid (CBDVA)	0.008	0.025	ND	ND
Cannabigerol (CBG)	0.004	0.012	0.120	1.20
Cannabigerolic Acid (CBGA)	0.015	0.052	ND	ND
Cannabinol (CBN)	0.005	0.016	<loq< td=""><td><loq< td=""></loq<></td></loq<>	<loq< td=""></loq<>
Cannabinolic Acid (CBNA)	0.010	0.035	ND	ND
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.017	0.061	ND	ND
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.016	0.056	0.164	1.64
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.014	0.049	ND	ND
Tetrahydrocannabivarin (THCV)	0.003	0.011	<loq< td=""><td><loq< td=""></loq<></td></loq<>	<loq< td=""></loq<>
Tetrahydrocannabivarinic Acid (THCVA)	0.012	0.044	ND	ND
Total Cannabinoids			6.061	60.61
Total Potential THC			0.164	1.64
Total Potential CBD			5.527	55.27

Final Approval



Karen Winternheimer 10Dec2022 01:35:00 PM MST

Garrantha Smil

Sam Smith 10Dec2022 01:37:00 PM MST



APPROVED BY / DATE

https://results.botanacor.com/api/v1/coas/uuid/92fe9e23-4c7f-4ea0-85fc-046a20f5ccb0

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-THCa *(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.













1350mg CBD Tincture- Natural

Batch ID:2309	14B	Test ID:	T000126131
Type:	Concentrate	Submitted:	02/25/2021 @ 12:03 PM
Test:	Pesticides	Started:	2/25/2021
Method:	TM17	Reported:	3/1/2021

PESTICIDE RESIDUE

Compound	Dynamic Range (ppb)	Result (ppb)
Acephate	34 - 2468	ND*
Acetamiprid	40 - 2468	ND*
Abamectin	>342	ND*
Azoxystrobin	42 - 2468	ND*
Bifenazate	28 - 2468	ND*
Boscalid	42 - 2468	ND*
Carbaryl	38 - 2468	ND*
Carbofuran	39 - 2468	ND*
Chlorantraniliprole	37 - 2468	ND*
Chlorpyrifos	42 - 2468	ND*
Clofentezine	269 - 2468	ND*
Diazinon	280 - 2468	ND*
Dichlorvos	>286	ND*
Dimethoate	40 - 2468	ND*
E-Fenpyroximate	279 - 2468	ND*
Etofenprox	41 - 2468	ND*
Etoxazole	289 - 2468	ND*
Fenoxycarb	>31	ND*
Fipronil	38 - 2468	ND*
Flonicamid	38 - 2468	ND*
Fludioxonil	>286	ND*
Hexythiazox	36 - 2468	ND*
Imazalil	272 - 2468	ND*
Imidacloprid	41 - 2468	ND*
Kresoxim-methyl	43 - 2468	ND*
* NID. NI D. t t. I /D	Contract Description	(L IV

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*

N/A

FINAL APPROVAL

Jefry Wie

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.

^{*} ND = None Detected (Defined by Dynamic Range of the method)



1350mg CBD Tincture- Natural

Batch ID or Lot Number: 230914B	Test: Mycotoxins	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

Karen Winternheimer 21Oct2022 10:31:00 AM MDT



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

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.











8ccc393e3ea34eb090d58e4c9ec4fb5e.1



1350mg CBD Tincture- Natural

Batch ID:2309	914B	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

^{*} ND = None Detected (Defined by Dynamic Range of the method)

FINAL APPROVAL

Daniel Westersand

Daniel Weidensaul 3-Mar-2021 11:00 AM

Den Muton

Ben Minton 3-Mar-2021 12:36 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.



1350mg CBD Tincture- Natural

Batch ID: 230	914B	Test ID:	T000126134
Type:	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) *ND	
Propane	96 - 1911		
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	

^{*} ND = None Detected (Defined by Dynamic Range of the method)

NOTES: N/A

FINAL APPROVAL

Myon News

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

Ben Minton 2-Mar-2021 6:32 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. ISO/IEC 17025:2005 Accredited A2LA Certificate Number 4329.02









OFTNAT1350

Batch ID or Lot Number: 230914B	Test: Microbial Contaminants	Reported: 21Sep2023	USDA License: N/A			
Matrix:	Test ID:	Started:	Sampler ID:			
Finished Product	T000256253	18Sep2023	N/A			
	Method(s):	Received:	Status:			
	TM25 (qPCR) TM24, TM26, TM27	18Sep2023	Active			
	(Culture Plating): Microbial (Colorado					
	Panel)					

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

Final Approval



Brianne Maillot 21Sep2023 09:52:00 AM MDT

APPROVED BY / DATE

Brett Hudson 21Sep2023 10:47:00 AM MDT



PREPARED BY / DATE

https://results.botanacor.com/api/v1/coas/uuid/a3a3ae83-8403-48db-8ef2-552792dc0430

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: 10² = 100 CFU, 10³ = 1,000 CFU, 10⁴ = 10,000 CFU, 10⁵ = 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 a3a3ae83840348db8ef2552792dc0430.1