Organic CBD Tincture - Natural PRODUCT NAME:

6/9/2024

PRODUCT STRENGTH: 1350mg TINCTURE BATCH: 220630A

BEST BY DATE:

BCA-000390-220607 HEMP EXTRACT LOT:

Physical Atttributes

Test	Method	Specification	Results
Color	Internal	Golden to Amber	PASS
Odor	Internal	Characteristic - Olive and Hemp	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	49.3mg	PASS
Potency - D9-THC	HPLC-UV DAD	LOQ: 10 ppm (.001-0.3%)	ND	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	Absent	PASS
Microbial Salmonella	PCR	Complies with CDPHE 6 CCR 1010-21 - LOQ 1 CFU/25 gram	Absent	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

8/1/2022

Date



1350 mg Broad Spectrum Natural

Batch ID or Lot Number: 220630A	Test: Potency	Reported: 28Jul2022	USDA License: N/A
Matrix:	Test ID:	Started:	Sampler ID:
Concentrate	T000215434	27Jul2022	N/A
	Method(s):	Received:	Status:
	TM14 (HPLC-DAD)	25Jul2022	N/A

Cannabinoids	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)
Cannabichromene (CBC)	0.005	0.017	0.010	0.10
Cannabichromenic Acid (CBCA)	0.005	0.015	ND	ND
Cannabidiol (CBD)	0.013	0.042	5.010	50.10
Cannabidiolic Acid (CBDA)	0.014	0.043	ND	ND
Cannabidivarin (CBDV)	0.003	0.010	0.020	0.20
Cannabidivarinic Acid (CBDVA)	0.006	0.018	ND	ND
Cannabigerol (CBG)	0.003	0.010	0.320	3.20
Cannabigerolic Acid (CBGA)	0.012	0.040	ND	ND
Cannabinol (CBN)	0.004	0.012	0.000	0.00
Cannabinolic Acid (CBNA)	0.008	0.027	ND	ND
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.014	0.048	ND	ND
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.013	0.043	ND	ND
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.012	0.038	ND	ND
Tetrahydrocannabivarin (THCV)	0.003	0.009	ND	ND
Tetrahydrocannabivarinic Acid (THCVA)	0.010	0.034	ND	ND
Total Cannabinoids			5.360	53.60
Total Potential THC			ND	ND
Total Potential CBD			5.010	50.10

Final Approval



Jacob Miller 28Jul2022 04:10:00 PM MDT L Winternheimer APPROVED BY / DATE

Karen Winternheimer 28Jul2022 04:12:00 PM MDT



https://results.botanacor.com/api/v1/coas/uuid/92d0ed18-5ba3-4f16-9ba4-36419af1eaba

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 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 17025:2017 Accredited by A2LA.







Cert #4329.02 92d0ed185ba34f169ba436419af1eaba.1



1350 BS Natural

Batch ID or Lot Number: 220630A	Test:	Reported:	USDA License:
	Microbial Contaminants	29Jul2022	NA
Matrix:	Test ID:	Started:	Sampler ID:
Finished Product	T000215435	26Jul2022	NA
	Method(s): TM25 (PCR) TM24, TM26, TM27 (Culture Plating)	Received: 25Jul2022	Status: NA

Microbial			Quantitation		
Contaminants	Method	LOD	Range	Result	Notes
STEC	TM25: PCR	10 ⁰ CFU/g	NA	Absent	Free from visual mold, mildew, and foreign matter
Salmonella	TM25: PCR	10 ⁰ CFU/g	NA	Absent	= Toreign matter
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 29Iul2022 10:38:00 AM MDT

Carly Baden

Carly Bader 29Iul2022 12:55:00 PM MDT



PREPARED BY / DATE

https://results.botanacor.com/api/v1/coas/uuid/f76b8f37-9b82-4c09-9ce1-c37728e2ffe8

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

APPROVED BY / DATE

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 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 17025:2017 Accredited by A2LA.







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1350 mg Broad Spectrum Natural

Batch ID or Lot Number:	Test, Test ID and Methods:	Matrix:	Page 2 of 5
220630A	Various	Concentrate	
Reported:	Started:	Received:	
14Jun2022	13Jun2022	10Jun2022	

Mycotoxins - Colorado Compliance

Test ID: T000209820

Methods: TM18 (UHPLC-QQQ

LCMS/MS): Mycotoxins	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	3.71 - 129.04	ND	N/A
Aflatoxin B1	1.01 - 32.19	ND	
Aflatoxin B2	1.04 - 31.97	ND	
Aflatoxin G1	0.97 - 32.32	ND	
Aflatoxin G2	1.04 - 32.28	ND	
Total Aflatoxins (B1, B2, G1, and	G2)	ND	

Final Approval

Jacob Miller 14Jun2022 02:49:00 PM MDT

00 PM MDT

Ryan Weems 14Jun2022 02:52:00 PM MDT

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Heavy Metals -Colorado Compliance

Test ID: T000209818

Methods: TM19 (ICP-MS): Heavy

Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.05 - 4.58	ND	
Cadmium	0.05 - 4.53	ND	
Mercury	0.04 - 4.43	ND	
Lead	0.05 - 4.66	ND	-

Final Approval

Ryan Weems 14Jun2022 02:50:00 PM MDT

APPROVED BY / DATE

Daniel Weidensaul 14Jun2022 02:53:00 PM MDT

PREPARED BY / DATE



1350 mg Broad Spectrum Natural

Batch ID or Lot Number:	Test, Test ID and Methods:	Matrix:	Page 3 of 5
220630A	Various	Concentrate	
Reported:	Started:	Received:	
14Jun2022	13Jun2022	10Jun2022	

Residual Solvents -Colorado Compliance

Test ID: T000209819

Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	82 - 1630	ND	
Butanes (Isobutane, n-Butane)	124 - 2481	ND	
Methanol	50 - 1010	ND	
Pentane	72 - 1446	ND	
Ethanol	73 - 1465	ND	
Acetone	78 - 1565	ND	
Isopropyl Alcohol	83 - 1652	ND	
Hexane	5 - 102	ND	
Ethyl Acetate	82 - 1633	ND	
Benzene	0.2 - 3.3	ND	
Heptanes	80 - 1592	ND	
Toluene	15 - 296	ND	
Xylenes (m,p,o-Xylenes)	108 - 2168	ND	

Final Approval

Jacob Miller 14Jun2022 05:51:00 PM MDT

PREPARED BY / DATE

Mysen Veins

14Jun2022 05:55:00 PM MDT

APPROVED BY / DATE



1350 mg Broad Spectrum Natural

Batch ID or Lot Number:	Test, Test ID and Methods:	Matrix:	Page 4 of 5
220630A	Various	Concentrate	
Reported:	Started:	Received:	
14Jun2022	13Jun2022	10Jun2022	

Pesticides

Test ID: T000209817 Methods: TM17

(LC-QQ LC MS/MS)	Dynamic Range (ppb)	Result (ppb)
Abamectin	365 - 2660	ND
Acephate	45 - 2774	ND
Acetamiprid	43 - 2778	ND
Azoxystrobin	40 - 2739	ND
Bifenazate	42 - 2765	ND
Boscalid	15 - 2744	ND
Carbaryl	40 - 2776	ND
Carbofuran	43 - 2761	ND
Chlorantraniliprole	46 - 2731	ND
Chlorpyrifos	47 - 2776	ND
Clofentezine	306 - 2776	ND
Diazinon	298 - 2777	ND
Dichlorvos	311 - 2758	ND
Dimethoate	45 - 2766	ND
E-Fenpyroximate	296 - 2737	ND
Etofenprox	42 - 2726	ND
Etoxazole	299 - 2708	ND
Fenoxycarb	45 - 2737	ND
Fipronil	39 - 2733	ND
Flonicamid	4 - 2732	ND
Fludioxonil	260 - 2633	ND
Hexythiazox	49 - 2737	ND
Imazalil	286 - 2760	ND
Imidacloprid	51 - 2800	ND
Kresoxim-methyl	53 - 2822	ND

	Dynamic Range (ppb)	Result (ppb)
Malathion	304 - 2758	ND
Metalaxyl	51 - 2788	ND
Methiocarb	39 - 2735	ND
Methomyl	42 - 2747	ND
MGK 264 1	187 - 1618	ND
MGK 264 2	129 - 1129	ND
Myclobutanil	37 - 2661	ND
Naled	28 - 2666	ND
Oxamyl	3 - 2768	ND
Paclobutrazol	41 - 2732	ND
Permethrin	340 - 2681	ND
Phosmet	41 - 2752	ND
Prophos	290 - 2708	ND
Propoxur	39 - 2744	ND
Pyridaben	302 - 2767	ND
Spinosad A	36 - 2242	ND
Spinosad D	55 - 497	ND
Spiromesifen	306 - 2722	ND
Spirotetramat	292 - 2784	ND
Spiroxamine 1	17 - 1160	ND
Spiroxamine 2	21 - 1502	ND
Tebuconazole	259 - 2755	ND
Thiacloprid	41 - 2763	ND
Thiamethoxam	45 - 2752	ND
Trifloxystrobin	41 - 2736	ND

Final Approval

PREPARED BY / DATE

16Jun2022 Wintenheumer 04:48:00 PM MDT

Karen Winternheimer

APPROVED BY / DATE

Daniel Weidensaul 16Jun2022 05:01:00 PM MDT