

# Ben's Canna

## CERTIFICATE OF ANALYSIS

**PRODUCT NAME:** 900mg CBD Full-Spectrum Tincture- Tropical  
**PRODUCT STRENGTH:** 900mg  
**TINCTURE BATCH:** 240103C  
**BEST BY DATE:** 1/5/2026  
**HEMP EXTRACT LOT:** 230320B

### Physical Attributes


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
<b>Potency - Total CBD</b>	HPLC-UV DAD	LOQ**: $\geq 900$ mg / bottle	<b>1077mg</b>	PASS
<b>Potency - D9-THC</b>	HPLC-UV DAD	LOQ: $<0.3\%$ total THC (Full spectrum) 31mg /bottle	<b>31mg</b>	PASS
<b>Expanded Pesticide Panel</b>	HPLC-QQQ	LOQ: Complies with CDPHE 6 CCR 1010-21 Industrial Hemp Extract	<b>Below LOQ</b>	PASS
<b>Microbial</b> Escherichia coli (STEC)	PCR	Complies with CDPHE 6 CCR 1010-21 - LOQ 1 CFU/25 gram***	<b>Absent</b>	PASS
<b>Microbial</b> Salmonella	PCR	Complies with CDPHE 6 CCR 1010-21 - LOQ 1 CFU/25 gram	<b>Absent</b>	PASS
<b>Microbial</b> Yeast and Mold	Culture Plating	Complies with CDPHE 6 CCR 1010-21 - LOQ $10^2$ CFU/gram	<b>Below LOQ</b>	PASS
<b>Microbial</b> Total Coliforms	Culture Plating	Complies with CDPHE 6 CCR 1010-21 - LOQ $10^2$ CFU/gram	<b>Below LOQ</b>	PASS
<b>Microbial</b> Total Aerobic Count	Culture Plating	Complies with CDPHE 6 CCR 1010-21 - LOQ $10^3$ CFU/gram	<b>Below LOQ</b>	PASS
<b>Heavy Metals</b>	ICP-MS	Arsenic (As): $\leq 1.5$ ppm† Cadmium (Cd): $\leq 0.5$ ppm Lead (Pb): $\leq 0.5$ ppm Mercury (Hg): $\leq 1.5$ ppm	<b>Below LOQ</b>	PASS
<b>Mycotoxins</b>	ICP-MS	Total Aflatoxins $<20$ ppb†† Aflatoxin B1 $< 5$ ppb Ochratoxin $< 5$ ppb	<b>Below LOQ</b>	PASS
<b>Residual Solvents</b>	GC-HS-MSD	LOQ: Complies with CDPHE 6 CCR 1010-21 Industrial Hemp Extract	<b>Below LOQ</b>	PASS

\*Only applies to products with labels claiming certified organic  
 \*\*Level of Quantification  
 \*\*\*Colony Forming Units per Gram  
 † Parts Per Million †† Part Per Billion  
 Values expressed in scientific notation.  
 Examples:  
 $10^2=100$   
 $10^3=1,000$

Quality Certified

  
 Name

2/7/2024


Date

### 900mg CBD Full-Spectrum Tincture- Tropical

Batch ID or Lot Number: <b>240103C</b>	Test: <b>Potency</b>	Reported: <b>28Mar2023</b>	USDA License: N/A
Matrix: Concentrate	Test ID: T000239613	Started: 27Mar2023	Sampler ID: N/A
	Method(s): TM14 (HPLC-DAD); Potency - Standard Cannabinoid Analysis	Received: 23Mar2023	Status: Active

Cannabinoids	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.007	0.021	0.141	1.41	
Cannabichromenic Acid (CBCA)	0.007	0.019	ND	ND	
Cannabidiol (CBD)	0.021	0.056	3.626	36.26	
Cannabidiolic Acid (CBDA)	0.021	0.057	ND	ND	
Cannabidivarin (CBDV)	0.005	0.013	0.024	0.24	
Cannabidivarinic Acid (CBDVA)	0.009	0.024	ND	ND	
Cannabigerol (CBG)	0.004	0.012	0.080	0.80	
Cannabigerolic Acid (CBGA)	0.017	0.050	ND	ND	
Cannabinol (CBN)	0.005	0.016	ND	ND	
Cannabinolic Acid (CBNA)	0.012	0.034	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.020	0.060	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.018	0.054	0.106	1.06	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.016	0.048	ND	ND	
Tetrahydrocannabivarin (THCV)	0.004	0.011	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.014	0.042	ND	ND	
<b>Total Cannabinoids</b>			<b>3.977</b>	<b>39.77</b>	
Total Potential THC			0.106	1.06	
Total Potential CBD			3.626	36.26	

### Final Approval

  
 Sam Smith  
 28Mar2023  
 08:52:00 AM MDT  
 PREPARED BY / DATE

  
 Karen Winternheimer  
 28Mar2023  
 08:56:00 AM MDT  
 APPROVED BY / DATE



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#### 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.



Cert #4329.02


CDPHE Certified  
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**900mg CBD Full-Spectrum Tincture- Tropical**

Batch ID or Lot Number: <b>240103C</b>	Test: <b>Residual Solvents</b>	Reported: <b>28Mar2023</b>	USDA License: N/A
Matrix: Concentrate	Test ID: T000239617	Started: 28Mar2023	Sampler ID: N/A
	Method(s): TM04 (GC-MS): Residual Solvents	Received: 23Mar2023	Status: Active

Residual Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	94 - 1887	ND	
Butanes (Isobutane, n-Butane)	192 - 3838	ND	
Methanol	56 - 1126	ND	
Pentane	93 - 1865	ND	
Ethanol	93 - 1867	ND	
Acetone	91 - 1823	ND	
Isopropyl Alcohol	95 - 1898	ND	
Hexane	6 - 111	ND	
Ethyl Acetate	93 - 1853	ND	
Benzene	0.2 - 3.9	ND	
Heptanes	97 - 1942	ND	
Toluene	17 - 330	ND	
Xylenes (m,p,o-Xylenes)	118 - 2370	ND	

**Final Approval**

  
 Sam Smith  
 28Mar2023  
 03:38:00 PM MDT  
 PREPARED BY / DATE

  
 Karen Winternheimer  
 28Mar2023  
 03:46:00 PM MDT  
 APPROVED BY / DATE



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**Definitions**  
 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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Cert #4329.02


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### 900mg CBD Full-Spectrum Tincture- Tropical

Batch ID or Lot Number: 240103C	Test: <b>Heavy Metals</b>	Reported: <b>29Mar2023</b>	USDA License: NA
Matrix: Unit Co	Test ID: T000239616	Started: 29Mar2023	Sampler ID: NA
	Method(s): TM19 (ICP-MS); Heavy Metals	Received: 23Mar2023	Status: NA

Heavy Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.05 - 4.58	ND	
Cadmium	0.05 - 4.54	ND	
Mercury	0.05 - 4.56	ND	
Lead	0.05 - 4.53	ND	

### Final Approval

  
 Sam Smith  
 29Mar2023  
 02:24:00 PM MDT  
 PREPARED BY / DATE

  
 Karen Winterheimer  
 29Mar2023  
 02:26:00 PM MDT  
 APPROVED BY / DATE



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**Definitions**  
 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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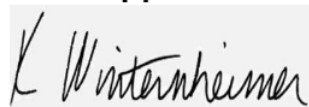
Cert #4329.02

CDPHE Certified  
 42581c1a4e1948aba3fb85cb50837f92.1

**900mg CBD Full-Spectrum Tincture- Tropical**

Batch ID or Lot Number: <b>240103C</b>	Test: <b>Pesticides</b>	Reported: <b>30Mar2023</b>	USDA License: NA
Matrix: Concentrate	Test ID: T000239614	Started: 29Mar2023	Sampler ID: NA
	Method(s): TM17 (LC-QQ LC MS/MS)	Received: 23Mar2023	Status: NA

Pesticides	Dynamic Range (ppb)	Result (ppb)	Pesticides	Dynamic Range (ppb)	Result (ppb)
Abamectin	374 - 2672	ND	Malathion	279 - 2740	ND
Acephate	18 - 2844	ND	Metalaxyl	44 - 2755	ND
Acetamiprid	40 - 2758	ND	Methiocarb	40 - 2669	ND
Azoxystrobin	45 - 2727	ND	Methomyl	42 - 2802	ND
Bifenazate	41 - 2784	ND	MGK 264 1	175 - 1559	ND
Boscalid	66 - 2638	ND	MGK 264 2	119 - 1122	ND
Carbaryl	43 - 2727	ND	Myclobutanil	47 - 2696	ND
Carbofuran	42 - 2705	ND	Naled	50 - 2695	ND
Chlorantraniliprole	42 - 2649	ND	Oxamyl	44 - 2792	ND
Chlorpyrifos	55 - 2672	ND	Paclobutrazol	49 - 2706	ND
Clofentezine	293 - 2709	ND	Permethrin	261 - 2620	ND
Diazinon	289 - 2767	ND	Phosmet	40 - 2745	ND
Dichlorvos	274 - 2725	ND	Prophos	296 - 2692	ND
Dimethoate	40 - 2753	ND	Propoxur	40 - 2711	ND
E-Fenpyroximate	287 - 2726	ND	Pyridaben	311 - 2711	ND
Etofenprox	48 - 2703	ND	Spinosad A	34 - 2208	ND
Etoxazole	306 - 2700	ND	Spinosad D	54 - 492	ND
Fenoxycarb	43 - 2757	ND	Spiromesifen	284 - 2702	ND
Fipronil	39 - 2784	ND	Spirotetramat	276 - 2790	ND
Fonicamid	42 - 2787	ND	Spiroxamine 1	19 - 1142	ND
Fludioxonil	333 - 2624	ND	Spiroxamine 2	24 - 1509	ND
Hexythiazox	45 - 2742	ND	Tebuconazole	274 - 2734	ND
Imazalil	289 - 2748	ND	Thiacloprid	43 - 2751	ND
Imidacloprid	40 - 2751	ND	Thiamethoxam	44 - 2778	ND
Kresoxim-methyl	43 - 2817	ND	Trifloxystrobin	40 - 2722	ND

**Final Approval**


 Karen Winternheimer  
 30Mar2023  
 12:35:00 PM MDT

PREPARED BY / DATE



 Sam Smith  
 30Mar2023  
 12:51:00 PM MDT

APPROVED BY / DATE


<https://results.botanacor.com/api/v1/coas/uuid/a826fdbf61e8-427d-8ce7-eedfd4a70b27>
**Definitions**

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

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**900mg CBD Full-Spectrum Tincture- Tropical**

Batch ID or Lot Number: <b>240103C</b>	Test: <b>Mycotoxins</b>	Reported: <b>29Mar2023</b>	USDA License: N/A
Matrix: Concentrate	Test ID: T000239618	Started: 28Mar2023	Sampler ID: N/A
	Method(s): TM18 (UHPLC-QQQ LCMS/MS); Mycotoxins	Received: 23Mar2023	Status: Active

<b>Mycotoxins</b>	<b>Dynamic Range (ppb)</b>	<b>Result (ppb)</b>	<b>Notes</b>
Ochratoxin A	1.77 - 123.37	ND	N/A
Aflatoxin B1	1.01 - 31.98	ND	
Aflatoxin B2	1.01 - 31.70	ND	
Aflatoxin G1	1.14 - 31.51	ND	
Aflatoxin G2	1.11 - 32.08	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

**Final Approval**

  
 Sam Smith  
 29Mar2023  
 06:44:00 AM MDT  
 PREPARED BY / DATE

  
 Karen Winterheimer  
 29Mar2023  
 06:47:00 AM MDT  
 APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/e33b9ccb-7a4d-49a7-a922-7d5dcbbad087>

**Definitions**  
 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.



Cert #4329.02

CDPHE Certified  
 e33b9ccb7a4d49a7a9227d5dcbbad087.1

**900mg CBD Full-Spectrum Tincture- Tropical**

Batch ID or Lot Number: <b>240103C</b>	Test: <b>Microbial Contaminants</b>	Reported: <b>12Jan2024</b>	USDA License: N/A
Matrix: Finished Product	Test ID: T000267077	Started: 09Jan2024	Sampler ID: N/A
	Method(s): TM25 (qPCR) TM24, TM26, TM27 (Culture Plating): Microbial (Colorado Panel)	Received: 09Jan2024	Status: Active

Microbial Contaminants	Method	LOD	Quantitation 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**



Brett Hudson  
12Jan2024  
11:11:00 AM MST



Brianne Maillot  
12Jan2024  
02:04:00 PM MST



PREPARED BY / DATE

APPROVED BY / DATE

<https://results.botanacor.com/api/v1/coas/uuid/325cda87-52a1-4102-9b73-2eec6a5c53f7>

**Definitions**

\* Values reported 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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Cert #4329.02

CDPHE Certified  
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