CERTIFICATE OF ANALYSIS

PRODUCT NAME: Organic CBD Tincture - Orange
PRODUCT STRENGTH: 900mg
TINCTURE BATCH: 241126A
BEST BY DATE: 11/26/2026
HEMP EXTRACT LOT: 660

Physical Atttributes

Test	Method	Specification	Results
Color	Internal	Golden to Amber	PASS
Odor	Internal	Characteristic - Coconut and Hemp, Lemon	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	**1011mg**	PASS
Potency - D9-THC	HPLC-UV DAD	LOQ: <0.01% THC (Broad Spectrum)	**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 — Name — 12/9/2024 Date

SC Labs®
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Official Compliance: Colorado

CERTIFICATE OF ANALYSIS

Organic Broad Spectrum 900mg CBD Tincure- Orange

Batch ID or Lot Number: **241126A**	Test: **Potency**	Reported: **02Feb2024**	USDA License: N/A
Matrix: Concentrate	Test ID: T000268646	Started: 01Feb2024	Sampler ID: N/A
	Method(s): TM14 (HPLC-DAD): Potency – Standard Cannabinoid Analysis	Received: 30Jan2024	Status: Active

Cannabinoids

	LOD (%)	**LOQ** (%)	**Result** (%)	**Result** (mg/g)	**Notes**
Cannabichromene (CBC)	0.006	0.021	<LOQ	<LOQ	
Cannabichromenic Acid (CBCA)	0.006	0.019	ND	ND	
Cannabidiol (CBD)	0.028	0.070	3.403	34.03	
Cannabidiolic Acid (CBDA)	0.029	0.072	ND	ND	
Cannabidivarin (CBDV)	0.007	0.017	<LOQ	<LOQ	
Cannabidivarinic Acid (CBDVA)	0.012	0.030	ND	ND	
Cannabigerol (CBG)	0.003	0.012	0.217	2.17	
Cannabigerolic Acid (CBGA)	0.014	0.049	ND	ND	
Cannabinol (CBN)	0.005	0.015	ND	ND	
Cannabinolic Acid (CBNA)	0.010	0.033	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.017	0.058	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.016	0.053	<LOQ	<LOQ	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.014	0.047	ND	ND	
Tetrahydrocannabivarin (THCV)	0.003	0.011	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.012	0.041	ND	ND	
Total Cannabinoids			**3.620**	**36.20**	
Total Potential THC			<LOQ	<LOQ	
Total Potential CBD			3.403	34.03	

Final Approval

Samantha Smith
Sam Smith
02Feb2024
09:39:00 AM MST
PREPARED BY / DATE

K Winternheimer
Karen Winternheimer
02Feb2024
09:42:00 AM MST
APPROVED BY / DATE

https://results.botanacor.com/api/v1/coas/uuid/e929ada2-a8b6-404b-a6e2-416b1ec96425

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 A2LA Cert #: 4329.02 Chemical; 4329.03 Biological.

Cert #4329.02

CDPHE Certified
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CERTIFICATE OF ANALYSIS

Organic Broad Spectrum 900mg CBD Tincure- Orange

Batch ID or Lot Number:	Test, Test ID and Methods:	Matrix:	Page 1 of 4
241126A	Various	Concentrate	
Reported:	**Started:**	**Received:**	
06Feb2024	06Feb2024	05Feb2024	

Residual Solvents - Colorado Compliance

Test ID: T000269726
Methods: TM04 (GC-MS): Residual Solvents

	Dynamic Range (ppm)	**Result** (ppm)	**Notes**
Propane	108 - 2161	ND	
Butanes (Isobutane, n-Butane)	207 - 4136	ND	
Methanol	64 - 1271	ND	
Pentane	97 - 1939	ND	
Ethanol	95 - 1890	ND	
Acetone	108 - 2153	ND	
Isopropyl Alcohol	104 - 2087	ND	
Hexane	7 - 136	ND	
Ethyl Acetate	109 - 2176	ND	
Benzene	0.2 - 4.3	ND	
Heptanes	104 - 2082	ND	
Toluene	19 - 373	ND	
Xylenes (m,p,o-Xylenes)	122 - 2439	ND	

Final Approval

Karen Winternheimer
06Feb2024
01:38:00 PM MST
PREPARED BY / DATE

Sam Smith
06Feb2024
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CERTIFICATE OF ANALYSIS

Organic Broad Spectrum 900mg CBD Tincure- Orange

Batch ID or Lot Number:	Test, Test ID and Methods:	Matrix:	
241126A	Various	Concentrate	
Reported:	**Started:**	**Received:**	
06Feb2024	06Feb2024	05Feb2024	

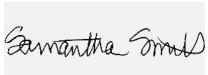
Pesticides

Test ID: T000269723
Methods: TM17

(LC-QQ LC MS/MS)	**Dynamic Range** (ppb)	**Result** (ppb)		**Dynamic Range** (ppb)	**Result** (ppb)
Abamectin	322 - 2692	ND	Malathion	300 - 2685	ND
Acephate	40 - 2713	ND	Metalaxyl	43 - 2693	ND
Acetamiprid	42 - 2711	ND	Methiocarb	42 - 2675	ND
Azoxystrobin	46 - 2680	ND	Methomyl	41 - 2765	ND
Bifenazate	43 - 2700	ND	MGK 264 1	145 - 1627	ND
Boscalid	47 - 2707	ND	MGK 264 2	110 - 1097	ND
Carbaryl	42 - 2691	ND	Myclobutanil	50 - 2631	ND
Carbofuran	42 - 2677	ND	Naled	44 - 2668	ND
Chlorantraniliprole	48 - 2651	ND	Oxamyl	41 - 2770	ND
Chlorpyrifos	48 - 2744	ND	Paclobutrazol	45 - 2671	ND
Clofentezine	282 - 2731	ND	Permethrin	300 - 2757	ND
Diazinon	293 - 2717	ND	Phosmet	42 - 2585	ND
Dichlorvos	286 - 2745	ND	Prophos	289 - 2668	ND
Dimethoate	41 - 2702	ND	Propoxur	41 - 2692	ND
E-Fenpyroximate	222 - 2857	ND	Pyridaben	286 - 2731	ND
Etofenprox	44 - 2759	ND	Spinosad A	34 - 2091	ND
Etoxazole	292 - 2664	ND	Spinosad D	67 - 674	ND
Fenoxycarb	41 - 2669	ND	Spiromesifen	273 - 2744	ND
Fipronil	50 - 2773	ND	Spirotetramat	300 - 2772	ND
Flonicamid	41 - 2768	ND	Spiroxamine 1	16 - 1015	ND
Fludioxonil	278 - 2672	ND	Spiroxamine 2	22 - 1572	ND
Hexythiazox	42 - 2774	ND	Tebuconazole	290 - 2684	ND
Imazalil	278 - 2725	ND	Thiacloprid	42 - 2720	ND
Imidacloprid	40 - 2726	ND	Thiamethoxam	42 - 2744	ND
Kresoxim-methyl	43 - 2742	ND	Trifloxystrobin	44 - 2700	ND

Final Approval

Karen Winternheimer
07Feb2024
08:52:00 AM MST
PREPARED BY / DATE



Sam Smith
07Feb2024
08:55:00 AM MST
APPROVED BY / DATE

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CERTIFICATE OF ANALYSIS

Organic Broad Spectrum 900mg CBD Tincure- Orange

Batch ID or Lot Number:	Test, Test ID and Methods:	Matrix:	Page 4 of 4
241126A	Various	Concentrate	
Reported:	**Started:**	**Received:**	
06Feb2024	06Feb2024	05Feb2024	

Heavy Metals - Colorado Compliance

Test ID: T000269725
Methods: TM19 (ICP-MS): Heavy Metals

	Dynamic Range (ppm)	**Result** (ppm)	**Notes**
Arsenic	0.04 - 4.47	ND	
Cadmium	0.05 - 4.51	ND	
Mercury	0.05 - 4.74	ND	
Lead	0.05 - 4.82	ND	

Final Approval

Sam Smith
09Feb2024
01:45:00 PM MST
PREPARED BY / DATE

Karen Winternheimer
12Feb2024
11:24:00 AM MST
APPROVED BY / DATE

https://results.botanacor.com/api/v1/coas/uuid/eea88ac0-339c-40ac-8e94-a2c37cdbd520

Definitions
LOD = Limit of Detection, ULOQ = Upper Limit of Quantitation, LLOQ = Lower Limit of Quantitation, PPB = Parts per Billion, % = % (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)). Fail equates to a concentration level of Delta 9-THC, on a dry weight basis, higher than 0.3 percent + or – the measurement uncertainty. Total Potential THC is calculated using the following formulas to take into account the loss of a carboxyl group during decarboxylation step. Total THC = THC + (THCa *(0.877)). ALOQ = Above Limit Of Quantitation (defined by dynamic range of the method), CFU/g = Colony Forming Units per Gram. Values recorded in scientific notation, a common microbial practice of expressing numbers that are too large to be conveniently written in decimal form. Examples: 10^2 = 100 CFU, 10^3 = 1,000 CFU, 10^4 = 10,000 CFU, 10^5 = 100,000 CFU.

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 A2LA Cert #: 4329.02 Chemical; 4329.03 Biological. Some tests listed on this COA may not be within our scope of A2LA accreditation. Please visit A2LA for more details.

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CERTIFICATE OF ANALYSIS

Organic Broad Spectrum 900mg CBD Tincure- Mp_lec

Batch ID or Lot Number:	Test, Test ID and Methods:	Matrix:	
02//04?	Various	Concentrate	
Reported:	**Started:**	**Received:**	
06Feb2024	06Feb2024	05Feb2024	

Mycotoxins - Colorado Compliance

Test ID: T000269727
Methods: TM18 (UHPLC-QQQ LCMS/MS): Mycotoxins

	Dynamic Range (ppb)	**Result** (ppb)	**Notes**
Ochratoxin A	0.96 - 126.73	ND	N/A
Aflatoxin B1	1.02 - 32.79	ND	
Aflatoxin B2	0.96 - 33.15	ND	
Aflatoxin G1	1.02 - 33.05	ND	
Aflatoxin G2	1.12 - 32.95	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

Final Approval

Karen Winternheimer
08Feb2024
10:39:00 AM MST
PREPARED BY / DATE

Sam Smith
08Feb2024
10:41:00 AM MST
APPROVED BY / DATE

Microbial Contaminants - Colorado Compliance

Test ID: T000269724
Methods: TM25 (qPCR) TM24, TM26, TM27 (Culture Plating): Microbial (Colorado Panel)

	Method	**LOD**	**Quantitation 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

Brett Hudson
09Feb2024
11:30:00 AM MST
PREPARED BY / DATE

Brianne Maillot
09Feb2024
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APPROVED BY / DATE