

CERTIFICATE OF ANALYSIS

PRODUCT NAME: Organic CBD Tincture - Mint
PRODUCT STRENGTH: 900mg
TINCTURE BATCH: 250129D
BEST BY DATE: 1/29/2027
HEMP EXTRACT LOT: 240830B

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
Potency - Total CBD	HPLC-UV DAD	*NLT (product strength) mg / bottle	1018mg	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† Aflatoxin 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
 10²=100 CFU
 10³=1,000 CFU

Quality Certified

Name



2/11/2027

Date



Certificate of Analysis
Compliance Test

Batch # 250129D
Batch Date: 2024-08-16
Extracted From: N/A

Test Reg State: Colorado

Production Date: 2024-08-16

Order # PRO240816-020001
Order Date: 2024-08-16
Sample # AAFW153

Sampling Date: 2024-08-21
Lab Batch Date: 2024-08-21
Completion Date: 2024-08-27

Initial Gross Weight: 117.600 g



Potency
Tested



Pathogenic
Passed



Microbiology Petrifilm
Passed

Product Image

Potency 10					
Specimen Weight: 100.880 mg					
Analyte	Dilution (1:n)	LOD (%)	LOQ (%)	Result (mg/g)	SOP13.001 (LCUV) (%)
CBD	10.000	5.40E-5	0.0015	34.4900	3.4490
CBC	10.000	1.80E-5	0.0015	1.2000	0.1200
CBG	10.000	2.48E-4	0.0015	0.7700	0.0770
CBN	10.000	1.40E-5	0.0015	0.4300	0.0430
CBDA	10.000	1.00E-5	0.0015	<LOQ	<LOQ
CBDV	10.000	6.50E-5	0.0015	<LOQ	<LOQ
CBGA	10.000	8.00E-5	0.0015	<LOQ	<LOQ
Delta-9 THC	10.000	1.30E-5	0.0015	<LOQ	<LOQ
THCA-A	10.000	3.20E-5	0.0015	<LOQ	<LOQ
THCV	10.000	7.00E-6	0.0015	<LOQ	<LOQ
Total Active CBD	10.000			34.490	3.449
Total Active THC	10.000			<LOQ	<LOQ



Potency Summary

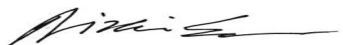
Total Active THC
None Detected

Total Active CBD
3.449%

Total CBG
0.077%

Total CBN
0.043%

Total Cannabinoids
3.689%


Aixa Sun Lab Director/Principal Scientist
D.H.Sc., M.Sc., B.Sc., MT (AAB)



Definitions and Abbreviations used in this report: Total Active CBD = CBD + (CBD-A * 0.877), *Total CBDV = CBDV + (CBDVA * 0.867), Total Active THC = THCA-A * 0.877 + Delta 9 THC, Total THCV = THCV + (THCVA * 0.87), CBG Total = (CBGA * 0.878) + CBG, CBN Total = (CBNA * 0.876) + CBN, Total CBC = CBC + (CBCA * 0.877), Total THC-O-Acetate = Delta 8 THC-O-Acetate + Delta 9 THC-O-Acetate, Total THCP = Delta8-THCP + Delta9-THCP, Total Cannabinoids = Total percentage of cannabinoids within the sample. (mg/ml) = Milligrams per Milliliter, LOQ = Limit of Quantitation, LOD = Limit of Detection, Dilution = Dilution Factor, (ppb) = Parts per Billion, (%) = Percent, (cfu/g) = Colony Forming Unit per Gram, (µg/g) = Microgram per Gram, (ppm) = Parts per Million, (ppm) = (µg/g), (aw) = Water Activity, (mg/Kg) = Milligram per Kilogram. ACS uses simple acceptance criteria. Passed - Analyte/microbe is not detected or is at the level below the action limit per CO rule 6 CCR 1010-21. Failed - Analyte/microbe is at the level that equal or above the action limit per CO rule 6 CCR 1010-21 Sample not received via laboratory sampling.

This report shall not be reproduced, without written approval, from ACS Laboratory. The results of this report relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. ACS Laboratory is accredited to the ISO/IEC 17025:2017 Standard.

900mg Broad Spectrum Tincture- Mint

Batch ID or Lot Number: 250129D	Test, Test ID and Methods: Various	Matrix: Concentrate	Page 1 of 5
Reported: 24Jun2024	Started: 21Jun2024	Received: 20Jun2024	

Residual Solvents - Colorado Compliance

Test ID: T000284664

Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	78 - 1566	ND	
Butanes (Isobutane, n-Butane)	159 - 3188	ND	
Methanol	62 - 1234	ND	
Pentane	84 - 1683	ND	
Ethanol	93 - 1870	ND	
Acetone	98 - 1954	ND	
Isopropyl Alcohol	104 - 2082	ND	
Hexane	6 - 120	ND	
Ethyl Acetate	100 - 2008	ND	
Benzene	0.2 - 4.1	ND	
Heptanes	93 - 1863	ND	
Toluene	18 - 364	ND	
Xylenes (m,p,o-Xylenes)	131 - 2618	ND	

Final Approval



Karen Winternheimer
24Jun2024
08:41:00 AM MDT

PREPARED BY / DATE



Sam Smith
24Jun2024
09:00:00 AM MDT

APPROVED BY / DATE

900mg Broad Spectrum Tincture- Mint

Batch ID or Lot Number: 250129D	Test, Test ID and Methods: Various	Matrix: Concentrate	Page 4 of 5
Reported: 24Jun2024	Started: 21Jun2024	Received: 20Jun2024	

Pesticides

Test ID: T000284661

Methods: TM17

(LC-QQ LC MS/MS)	Dynamic Range (ppb)	Result (ppb)		Dynamic Range (ppb)	Result (ppb)
Abamectin	492 - 2782	ND	Malathion	289 - 2740	ND
Acephate	39 - 2737	ND	Metalaxyl	43 - 2742	ND
Acetamiprid	39 - 2709	ND	Methiocarb	41 - 2732	ND
Azoxystrobin	45 - 2727	ND	Methomyl	42 - 2761	ND
Bifenazate	45 - 2708	ND	MGK 264 1	65 - 1532	ND
Boscalid	39 - 2717	ND	MGK 264 2	97 - 1089	ND
Carbaryl	38 - 2731	ND	Myclobutanil	40 - 2704	ND
Carbofuran	42 - 2702	ND	Naled	43 - 2682	ND
Chlorantraniliprole	38 - 2717	ND	Oxamyl	42 - 2764	ND
Chlorpyrifos	25 - 2744	ND	Paclobutrazol	41 - 2702	ND
Clofentezine	278 - 2710	ND	Permethrin	263 - 2746	ND
Diazinon	278 - 2746	ND	Phosmet	43 - 2608	ND
Dichlorvos	264 - 2725	ND	Prophos	277 - 2740	ND
Dimethoate	41 - 2726	ND	Propoxur	42 - 2701	ND
E-Fenpyroximate	260 - 2843	ND	Pyridaben	265 - 2838	ND
Etofenprox	36 - 2769	ND	Spinosad A	30 - 2070	ND
Etoxazole	254 - 2755	ND	Spinosad D	58 - 687	ND
Fenoxycarb	42 - 2737	ND	Spiromesifen	246 - 2837	ND
Fipronil	37 - 2764	ND	Spirotetramat	294 - 2758	ND
Flonicamid	45 - 2733	ND	Spiroxamine 1	15 - 1020	ND
Fludioxonil	268 - 2689	ND	Spiroxamine 2	24 - 1610	ND
Hexythiazox	34 - 2828	ND	Tebuconazole	303 - 2724	ND
Imazalil	284 - 2776	ND	Thiacloprid	43 - 2760	ND
Imidacloprid	43 - 2744	ND	Thiamethoxam	37 - 2739	ND
Kresoxim-methyl	46 - 2757	ND	Trifloxystrobin	42 - 2725	ND

Final Approval


Sam Smith
27Jun2024
09:09:00 AM MDT
PREPARED BY / DATE


Karen Winternheimer
27Jun2024
09:11:00 AM MDT
APPROVED BY / DATE

900mg Broad Spectrum Tincture- Mint

Batch ID or Lot Number: 250129D	Test, Test ID and Methods: Various	Matrix: Concentrate	Page 5 of 5
Reported: 24Jun2024	Started: 21Jun2024	Received: 20Jun2024	

Mycotoxins - Colorado Compliance

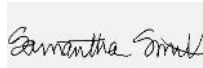
Test ID: T000284665

Methods: TM18 (UHPLC-QQQ

LCMS/MS): Mycotoxins

	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	1.09 - 127.38	ND	N/A
Aflatoxin B1	0.99 - 32.66	ND	
Aflatoxin B2	0.99 - 32.66	ND	
Aflatoxin G1	1.05 - 32.28	ND	
Aflatoxin G2	1.09 - 32.63	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

Final Approval


Sam Smith
28Jun2024
11:47:00 AM MDT
PREPARED BY / DATE


Karen Winternheimer
28Jun2024
11:49:00 AM MDT
APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/73dfe90d-bdbe-4bcf-abaa-8a65766a6b41>

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

Cert #4329.02
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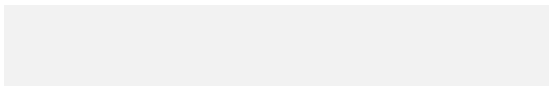
CERTIFICATE OF ANALYSIS

900mg Broad Spectrum Tincture- Mint

Batch ID or Lot Number: 250129D	Test: Metals	Reported: 6/26/24	
Matrix: Concentrate Co	Test ID: T000284663	Started: 6/25/24	USDA License: N/A
Status: Active	Method: TM19 (ICP-MS); Heavy Metals	Received: 06/20/2024 @ 10:04 AM	Sampler ID: N/A

HEAVY METALS DETERMINATION

Compound	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.047 - 4.66	ND	
Cadmium	0.046 - 4.56	ND	
Mercury	0.048 - 4.82	ND	
Lead	0.047 - 4.70	ND	



K Winterheimer

Karen Winterheimer
26-Jun-24
1:48 PM

Samantha Smith

Sam Smith
26-Jun-24
2:00 PM

PREPARED BY / DATE

APPROVED BY / DATE

Definitions

ND = None Detected (Defined by Dynamic Range of the method)

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

SAMPLE DETAILS

SAMPLE NAME: Organic 900mg CBD

Tincture- Mint

Infused, Liquid Edible

SAMPLE DETAIL

Batch Number: 250129D**Sample ID:** 250204L002**Date Collected:** 02/04/2025**Date Received:** 02/04/2025**Batch Size:****Sample Size:** 1.0 units**Unit Mass:** 30 milliliters per Unit**Serving Size:** 1 milliliters per ServingScan QR code to verify
authenticity of results.

SAFETY ANALYSIS - SUMMARY

Microbiology (PCR):  **PASS**Microbiology (Plating): **ND**

For quality assurance purposes. Not a Regulatory Hemp Lab Test Report. These results relate only to the sample included on this report. This report shall not be reproduced, except in full, without written approval of the laboratory.

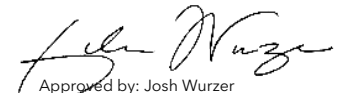
Sample Certification: California Code of Regulations Title 4 Division 19, Department of Cannabis Control Business and Professions Code. Reference: Sections 26100, 26104 and 26110, Business and Professions Code.

Decision Rule: Statements of conformity (e.g. Pass/Fail) to specifications are made in this report without taking measurement uncertainty into account. Where statements of conformity are made in this report, the following decision rules are applied: PASS - Results within limits/specifications, FAIL - Results exceed limits/specifications.

References: limit of detection (LOD), limit of quantification (LOQ), not detected (ND), not tested (NT), µg/g = ppm, µg/kg = ppb, too numerous to count >250 cfu/plate (TNTC), colony-forming unit (cfu)



LQC verified by: Samantha LeBeau
Job Title: Laboratory Assistant
Date: 02/08/2025



Approved by: Josh Wurzer
Job Title: Chief Compliance Officer
Date: 02/08/2025



Microbiology Analysis

PCR AND PLATING

Analysis conducted by polymerase chain reaction (PCR) and fluorescence detection of microbiological contaminants.

Method: QSP 1221 - Analysis of Microbiological Contaminants

Analysis conducted by 3M™ Petrifilm™ and plate counts of microbiological contaminants.

Method: QSP 6794 - Plating with 3M™ Petrifilm™

MICROBIOLOGY TEST RESULTS (PCR) - 02/08/2025 PASS

COMPOUND	ACTION LIMIT	RESULT	RESULT
Salmonella spp.	Not Detected in 1g	ND	PASS
Shiga toxin-producing Escherichia coli	Not Detected in 1g	ND	PASS

MICROBIOLOGY TEST RESULTS (PLATING) - 02/08/2025 ND

COMPOUND	RESULT (cfu/g)
Coliforms	ND
Total Aerobic Bacteria	ND
Total Yeast and Mold	ND

NOTES

Sample unit mass provided by client.

PRODUCT NAME: Organic CBD Tincture -
PRODUCT STRENGTH:
TINCTURE BATCH:
BEST BY DATE:
HEMP EXTRACT LOT:

Physical Attributes

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		PASS
Potency - D9-THC	HPLC-UV DAD	LOQ: <0.01% THC (Broad Spectrum)		PASS
Expanded Pesticide Panel	HPLC-QQQ	LOQ: Complies with CDPHE 6 CCR 1010-21 Industrial Hemp Extract		PASS
Microbial Escherichia coli (STEC)		Complies with CDPHE 6 CCR 1010-21 - LOQ 1 CFU/25 gram		PASS
Microbial Salmonella		Complies with CDPHE 6 CCR 1010-21 - LOQ 1 CFU/25 gram		PASS
Microbial Yeast and Mold	Culture Plating	Complies with CDPHE 6 CCR 1010-21 - LOQ 10^2 CFU/gram		PASS
				PASS

Heavy Metals Panel
 Arsenic (As): ≤1.5 ppm
 Cadmium (Cd): ≤0.5 ppm
 Lead (Pb): ≤0.5 ppm
 Mercury (Hg): ≤1.5 ppm

* *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

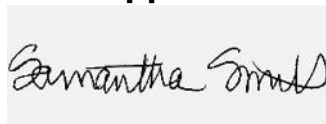
Date

Organic Broad Spectrum 900mg CBD Tincture- 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 ApprovalSam Smith
02Feb2024
09:39:00 AM MST

PREPARED BY / DATE

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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Organic Broad Spectrum 900mg CBD Tincture- Orange

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

**Residual Solvents -
Colorado Compliance**

Test ID: T000269726

Methods: TM04 (GC-MS): Residual

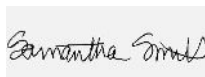
Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	108 - 2161	ND	
Butanes (Isobutane, n-Butane)	207 - 4136	ND	
Methanol	64 - 1271	ND	
Pentane	97 - 1939	ND	
Ethanol	95 - 1890	ND	
Acetone	108 - 2153	ND	
Isopropyl Alcohol	104 - 2087	ND	
Hexane	7 - 136	ND	
Ethyl Acetate	109 - 2176	ND	
Benzene	0.2 - 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
01:39:00 PM MST

APPROVED BY / DATE

Organic Broad Spectrum 900mg CBD Tincture- Orange

Batch ID or Lot Number: 241126A	Test, Test ID and Methods: Various	Matrix: Concentrate	Page 2 of 4
Reported: 06Feb2024	Started: 06Feb2024	Received: 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		Sam Smith 07Feb2024 08:55:00 AM MST
PREPARED BY / DATE		APPROVED BY / DATE	

Organic Broad Spectrum 900mg CBD Tincture- Orange

Batch ID or Lot Number: 241126A	Test, Test ID and Methods: Various	Matrix: Concentrate	Page 4 of 4
Reported: 06Feb2024	Started: 06Feb2024	Received: 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-a2c37cddb520>**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: 10² = 100 CFU, 10³ = 1,000 CFU, 10⁴ = 10,000 CFU, 10⁵ = 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.



Cert #4329.02

eea88ac0339c40ac8e94a2c37cddb520.1

Organic Broad Spectrum 900mg CBD Tincture-

CERTIFICATE OF ANALYSIS

PRODUCT NAME: Certified Organic CBD Tincture - Mint
PRODUCT STRENGTH: 900 mg
FILL LOT NUMBER: NA
TINCTURE BATCH: 21127A
BEST BY DATE: 11/07/2022
HEMP EXTRACT LOT: C0210-001

Click on the links to view third-party reports

Physical Attributes

Test	Method	Specification	Results
Color	SOP-100	Golden to Amber	PASS
Odor	SOP-100	Characteristic - Olive and hemp, minty	PASS
Appearance	SOP-100	Golden to Amber oil in brown glass bottle with dropper	PASS
Primary Package Eval.	SOP-132	Container clean and free of filth. Container caps tight and shrink bands intact	PASS
Secondary Package Eval.	SOP-132	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	SOP-111	900-1,125 mg CBD LOQ**: 10 PPM† (0.001%)	1000.1mg	PASS
Potency - D9-THC	SOP-111	None Detected LOQ: 10 PPM (0.001%)	ND	PASS
Compliant Pesticide Panel	SOP-111	WIP-100008 : Product specification for Tinctures, Oregon Action limits apply	ND	PASS
Microbial - Stec E.Coli	SOP-111	Complies with USP 61/62	Below LOD	PASS
Microbial - Salmonella	SOP-111	Complies with USP 61/62	Below LOD	PASS
Microbial - Yeast and Mold	SOP-111	Complies with USP 61/62	Below LOD	PASS
CA Compliant Heavy Metal Panel	SOP-111	Arsenic (As): ≤1.5 PPM Cadmium (Cd): ≤0.5 PPM Mercury (Hg): ≤1.0 PPM Lead (Pb): ≤0.5 PPM	ND	PASS

**Level of Quantitation, † Parts Per Million

Quality Certified


 Kayla Kolber
 Quality Assurance Technician

05/13/2021

Date



C0210-001

7USC1639 Certificate of Analysis

sample ID 25868

This Product Has Been
Tested and Complies
with 7USC1639o(1)Stillwater
Laboratoriescertificate ID
1BK54total
cannabinoids **1056.4mg** per 30mL

THC total ND CBD total 1000.1m terpenes

order 9818

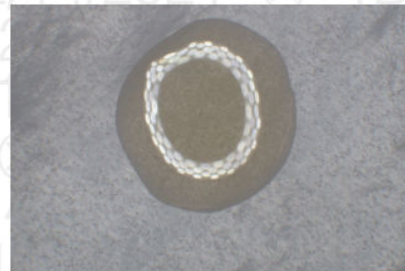
analysis date 2/12/2021 12:15:22 PM

test tag 9818.1

sample wgt

Inspection MSP-7.5.1.2

DESCRIPTION: Oil sample received in a client-labeled bottle, by commercial courier. Labeled 25868 and sample tag 9818.1.

caryophyllene
humulene
terpinolene
ocimene
beta pinene
alpha pinene
limonene
myrcene
linalool

MIP

Potency per 30mL

MSP-7.5.1.4

LOD

LOQ

error
(95%CI k=2)

Terpenes

MSP-7.5.1.6

MSP-7.5.1.6

tetrahydrocannabinolic acid (THCA)	ND	0.07	0.20	±0.20mg
Δ9-tetrahydrocannabinol (Δ9 THC)	ND	0.06	0.19	±0.19mg
Δ8-tetrahydrocannabinol (Δ8 THC)	ND	0.08	0.25	±0.25mg
tetrahydrocannabinavarin (THCv)	ND	0.07	0.21	±0.21mg
cannabidiolic acid (CBDA)	ND	0.06	0.17	±0.17mg
cannabidiol (CBD)	1000.1mg	0.07	0.20	±16.95mg
cannabidiavarin (CBDV)	2.5mg	0.06	0.19	±0.24mg
cannabigerolic acid (CBGA)	ND	0.06	0.17	±0.17mg
cannabigerol (CBG)	53.8mg	0.04	0.11	±1.01mg
cannabinol (CBN)	ND	0.04	0.11	±0.11mg
cannabichromene (CBC)	ND	0.06	0.19	±0.19mg

‡ = decarbed NT = not tested NL = no limit, ND = not detected, LOD = detection limit, LOQ = quantitation limit

Microbial

MSP-7.5.1.10

limit

Metals

MSP-7.5.1.11

limit

Pesticides

MSP-7.5.1.8

limit

Pesticides

MSP-7.5.1.8

limit

E.coli	PASS	0CFU	Arsenic	PASS	1500 ppb	Abamectin	PASS	0.30 ppm	Fipronil	PASS	0.00 ppm
Salmonella sp.	PASS	0CFU	Cadmium	PASS	500 ppb	Acephate	PASS	5.00 ppm	Flonicamid	PASS	2.00 ppm
molds	PASS	10000CFU	Lead	PASS	500 ppb	Acequinocyl	PASS	4.00 ppm	Fludioxonil	PASS	30.00
Ochratoxin A	PASS	20 ppb	Mercury	PASS	300 ppb	Acetamiprid	PASS	5.00 ppm	Hexythiazox	PASS	2700 ppm
Aflatoxin	PASS	20 ppb				Aldicarb	PASS	0.00 ppm	Imazalil	PASS	0.00 ppm
						Azoxystrobin	PASS	40.00	Imidacloprid	PASS	3.00 ppm
Solvents	MSP-7.5.1.7	limit	Pesticides	MSP-7.5.1.8	limit	Bifenazate	PASS	5700 ppm	Malathion	PASS	5.00 ppm
Acetone	PASS	5000 ppm	Permethrin	PASS	20.00 ppm	Bifenthrin	PASS	0.50 ppm	Metacarb	PASS	15.00
Acetonitrile	PASS	410 ppm	Phosmet	PASS	0.20 ppm	Boscalid	PASS	10.00	Methiocarb	PASS	0700 ppm
Benzene	PASS	0 ppm	Piperonylbutoxide	PASS	8.00 ppm	Carbaryl	PASS	0350 ppm	Methomyl	PASS	0.10 ppm
Butane	PASS	5000 ppm	Prallethrin	PASS	0.40 ppm	Carbofuran	PASS	0.00 ppm	Methyl parathion	PASS	0.00 ppm
Chloroform	PASS	0 ppm	Propiconazole	PASS	20.00 ppm	Chloanthraniliprole	PASS	40.00	Mevinphos	PASS	0.00 ppm
Cyclohexane	PASS	0 ppm	Propoxur	PASS	0.00 ppm	Chlorfenapyr	PASS	0700 ppm	Myclobutanil	PASS	9.00 ppm
Ethanol	PASS	10000 ppm	Pyrethrin	PASS	1.00 ppm	Chlorpyrifos	PASS	0.00 ppm	Naled	PASS	0.50 ppm
Heptane	PASS	5000 ppm	Pyridaben	PASS	3.00 ppm	Clofentezine	PASS	0.50 ppm	Oxamyl	PASS	0.20 ppm
Hexane	PASS	290 ppm	Spinetoram	PASS	3.00 ppm	Coumaphos	PASS	0.00 ppm	Paclobutrazol	PASS	0.00 ppm
Isopropyl alcohol	PASS	5000 ppm	Spinosad	PASS	3.00 ppm	Cyfluthrin	PASS	1.00 ppm	Permethrin	PASS	20.00
Methanol	PASS	3000 ppm	Spiromesifen	PASS	12.00 ppm	Cypermethrin	PASS	1.00 ppm			
Pentane	PASS	5000 ppm	Spirotetramat	PASS	13.00 ppm	Daminozide	PASS	0.00 ppm			
Propane	PASS	5000 ppm	Spiroxamine	PASS	0.00 ppm	Dichlorvos	PASS	0.00 ppm			
Toluene	PASS	890 ppm	Tebuconazole	PASS	2.00 ppm	Diazinon	PASS	0.20 ppm			
Xylenes	PASS	2170 ppm	Thiacloprid	PASS	0.10 ppm	Dimethoate	PASS	0.00 ppm			
			Thiamethoxam	PASS	4.50 ppm	Etoxazole	PASS	1.50 ppm			
			Trifloxystrobin	PASS	30.00 ppm	Fenoxycarb	PASS	0.00 ppm			
						Fenpyroximate	PASS	2.00 ppm			

INSTRUMENTS
potency: HPLC (LC2030C-UV)
terpenes: GCMS (QP2020/HS20)
solvents: GCMS (QP2020/HS20)
pesticides: LCMSMS (LC8060)
mycotoxins: LCMSMS (LC8060)
microbial: qPCR (AriaMx) and plating
metals: ICPMS (ICPMS-2030)

SECURITY FEATURE: WATERMARK MUST MATCH CERTIFICATE ID AND ISSUE DATE

Certified by:

Kyle Larson, MSc (Biology)
Deputy DirectorStillwater Laboratories Inc.
MT License L00001, 7, 8
6073 US93N Suite 5
Olney MT 59927
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ISO/IEC 17025:2017



Certificate #4961.01

<https://portal.a2la.org/scopepdf/4961-01.pdf>

certificate ID
1EG20

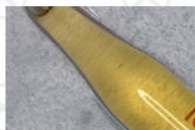
OTM900

7USC1639 Certificate of Analysis

21127A

rec'd 5/10/2021 12:15:18 PM

order 10693



per

**This Product Has Been
Tested and Complies
with 7USC1639o(1)**

Stillwater
Laboratories



per

Microbial

MSP-7.5.1.10

limit

LOD

LOQ

error

result

E.coli
Salmonella sp.
molds

ND
ND
ND

0CFU
0CFU
10000CFU

0.1 | 0.4 | ±0.4CFU
0.1 | 0.4 | ±0.4CFU
6.2 | 18.7 | ±18.7CFU

PASS
PASS
PASS

SECURITY FEATURE: WATERMARK MUST MATCH CERTIFICATE ID AND ISSUE DATE

Certified by:

Kyle Larson, MSc
Deputy Director



https://customer.a2la.org/index.cfm?event=directory_detail&labPID=42363582-5128-4C6F-871A-419DCF4380D7

Stillwater Laboratories Inc.
MT License L0001, L00007
6073 US93N Suite 5, Olney MT 59927
406-881-2019

INSTRUMENTS: Potency by HPLC (LC2030C-UV), solvents and terpenes by GCMS (QP2020/HS20), pesticides and mycotoxins by LCMSMS (LC8060), microbial by qPCR (AriaMx) and plating (Hardy Diagnostics), metals by ICPMS (ICPMS-2030)

• All testing was completed onsite at 6073 US93N, Olney MT • Potency (cannabinoid concentration) is calculated as: $[\text{cannabinoid}] = [\text{cannabinoid}]_{\text{HPLC}} \times \text{volume}_{\text{dilution}} / \text{m}_{\text{dry}}$... Decarboxyated cannabinoid concentration is calculated $\text{XXX}_{\text{total}} = 0.877 \times \text{XXXa} + \text{XXX} \dots$ Standards are used to calibrate the resulting data and estimate error using a standard estimate of error method; LOD is the limit of detection (3.3s), LOQ is the limit of quantification (3xLOD), and experimental error is calculated from weighing, dilution, and interpolation error using the formula $s_y^2 = \sum (\partial f / \partial i)^2 s_i^2$ where i is the contributor to error. The 95% confidence range is calculated from: $(\text{concentration}) \pm t_{\text{CL95}} \times s_y$. Sampling error is not considered in error calculations. ND = not detected (< LOD), NT = not tested, NL = no limit, NA = not applicable. ‡ = decarbed

Printed 5/13/2021 11:24 AM

