

CERTIFICATE OF ANALYSIS

PRODUCT NAME: Organic CBD Tincture - Mint
PRODUCT STRENGTH: 1350mg
TINCTURE BATCH: 250307A
BEST BY DATE: 3/7/2027
HEMP EXTRACT LOT: 250218A, 250304A, O-1206-0129-FT-BSD

Physical Attributes

Test	Method	Specification	Results
Color	Internal	Golden to Amber	PASS
Odor	Internal	Characteristic - Olive and Hemp, Minty	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	LOQ**: $\geq$ product strength mg / bottle	1607 mg	PASS
Potency - D9-THC	HPLC-UV DAD	LOQ: $<0.01\%$ (broad spectrum)	Below LOQ	PASS
Expanded Pesticide Panel	HPLC-QQQ	LOQ: Complies with CDPHE 6 CCR 1010-21 Industrial Hemp Extract	Below LOQ	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	ICP-MS	Arsenic (As): ≤ 1.5 ppm† Cadmium (Cd): ≤ 0.5 ppm Lead (Pb): ≤ 0.5 ppm Mercury (Hg): ≤ 1.5 ppm	Below LOQ	PASS
Mycotoxins	ICP-MS	Total Aflatoxins <20 ppb†† Aflatoxin B1 < 5 ppb Ochratoxin < 5 ppb	Below LOQ	PASS
Residual Solvents	GC-HS-MSD	LOQ: Complies with CDPHE 6 CCR 1010-21 Industrial Hemp Extract	Below LOQ	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

Date



Cannabinoid Analysis

Tested by high-performance liquid chromatography with diode-array detection (HPLC-DAD).

Method: QSP 1157 - Analysis of Cannabinoids by HPLC-DAD

TOTAL THC: <1.0 mg/bottle

Total THC (Δ^9 -THC+0.877*THCa)

TOTAL CBD: 1607 mg/bottle

Total CBD (CBD+0.877*CBDA)

TOTAL CANNABINOIDS: 1719.210 mg/unit

Total Cannabinoids (Total THC) + (Total CBD) + (Total CBG) + (Total THCV) + (Total CBC) + (Total CBDV) + Δ^8 -THC + CBL + CBN

TOTAL CBG: 105.240 mg/unit

Total CBG (CBG+0.877*CBGa)

TOTAL THCV: ND

Total THCV (THCV+0.877*THCVa)

TOTAL CBC: 0.390 mg/unit

Total CBC (CBC+0.877*CBCa)

TOTAL CBDV: 4.560 mg/unit

Total CBDV (CBDV+0.877*CBDVa)

CANNABINOID TEST RESULTS - 02/21/2025

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
CBD	0.004 / 0.011	± 1.9992	53.598	5.3598
CBG	0.002 / 0.006	± 0.1701	3.508	0.3508
CBDV	0.002 / 0.012	± 0.0062	0.152	0.0152
Δ^9 -THC	0.002 / 0.014	± 0.0020	0.036	0.0036
CBC	0.003 / 0.010	± 0.0004	0.013	0.0013
Δ^8 -THC	0.01 / 0.02	N/A	ND	ND
THCa	0.001 / 0.005	N/A	ND	ND
THCV	0.002 / 0.012	N/A	ND	ND
THCVa	0.002 / 0.019	N/A	ND	ND
CBDA	0.001 / 0.026	N/A	ND	ND
CBDVa	0.001 / 0.018	N/A	ND	ND
CBGa	0.002 / 0.007	N/A	ND	ND
CBL	0.003 / 0.010	N/A	ND	ND
CBN	0.001 / 0.007	N/A	ND	ND
CBCa	0.001 / 0.015	N/A	ND	ND
SUM OF CANNABINOIDS			57.307 mg/g	5.7307%

Unit Mass: 30 grams per Unit / Serving Size: 1 grams per Serving

Δ^9 -THC per Unit	110 per-package limit	<1mg/bottle	PASS
Δ^9 -THC per Serving		<0.03 mg/serving	PASS
Total THC per Unit		1.080 mg/unit	
Total THC per Serving		0.036 mg/serving	
CBD per Unit		1607.940 mg/unit	
CBD per Serving		53.598 mg/serving	
Total CBD per Unit		1607.940 mg/unit	
Total CBD per Serving		53.598 mg/serving	
Sum of Cannabinoids per Unit		1719.210 mg/unit	
Sum of Cannabinoids per Serving		57.307 mg/serving	
Total Cannabinoids per Unit		1719.210 mg/unit	
Total Cannabinoids per Serving		57.307 mg/serving	

DENSITY TEST RESULT

0.9364 g/mL

Tested 02/21/2025

Method: QSP 7870 - Sample Preparation

Organic Tincture- 1350mg - Mint

Batch ID or Lot Number: 250307A	Test, Test ID and Methods: Various	Matrix: Concentrate
Reported: 03Feb2025	Started: 31Jan2025	Received: 30Jan2025

**Residual Solvents -
Colorado Compliance**

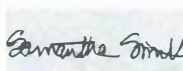
Test ID: T000297931

Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	83 - 1670	ND	
Butanes (Isobutane, n-Butane)	165 - 3308	ND	
Methanol	52 - 1035	ND	
Pentane	86 - 1710	ND	
Ethanol	90 - 1806	ND	
Acetone	91 - 1817	ND	
Isopropyl Alcohol	95 - 1900	ND	
Hexane	6 - 110	ND	
Ethyl Acetate	94 - 1872	ND	
Benzene	0.2 - 3.6	ND	
Heptanes	89 - 1782	ND	
Toluene	17 - 331	ND	
Xylenes (m,p,o-Xylenes)	122 - 2430	ND	

Final Approval


Judith Marquez
06Feb2025
07:50:00 AM MST
PREPARED BY / DATE


Sam Smith
06Feb2025
07:56:00 AM MST
APPROVED BY / DATE

Organic Tincture- 1350mg - Mint

 BatchID or Lot Number: 250307A ID and Methods:
 Various

 Matrix:
 Concentrate

 Reported:
03Feb2025

 Started:
 31Jan2025

 Received:
 30Jan2025

Pesticides

Test ID: T000297928

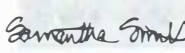
Methods: TM17

(LC-QQ LC MS/MS)

	Dynamic Range (ppb)	Result (ppb)
Abamectin	381 - 2759	ND
Acephate	34 - 2749	ND
Acetamiprid	42 - 2758	ND
Azoxystrobin	42 - 2753	ND
Bifenazate	39 - 2790	ND
Boscalid	45 - 2734	ND
Carbaryl	39 - 2680	ND
Carbofuran	41 - 2706	ND
Chlorantraniliprole	40 - 2746	ND
Chlorpyrifos	44 - 2701	ND
Clofentezine	280 - 2730	ND
Diazinon	287 - 2743	ND
Dichlorvos	283 - 2801	ND
Dimethoate	42 - 2774	ND
E-Fenpyroximate	267 - 2835	ND
Etofenprox	43 - 2749	ND
Etoxazole	272 - 2718	ND
Fenoxycarb	41 - 2722	ND
Fipronil	28 - 2719	ND
Flonicamid	44 - 2818	ND
Fludioxonil	279 - 2760	ND
Hexythiazox	40 - 2862	ND
Imazalil	282 - 2760	ND
Imidacloprid	39 - 2826	ND
Kresoxim-methyl	40 - 2752	ND

	Dynamic Range (ppb)	Result (ppb)
Malathion	286 - 2743	ND
Metaxyl	38 - 2758	ND
Methiocarb	38 - 2785	ND
Methomyl	40 - 2813	ND
MGK 264 1	180 - 1624	ND
MGK 264 2	121 - 1060	ND
Myclobutanil	38 - 2746	ND
Naled	50 - 2647	ND
Oxamyl	39 - 2825	ND
Paclobutrazol	44 - 2652	ND
Permethrin	274 - 2782	ND
Phosmet	39 - 2602	ND
Prophos	286 - 2745	ND
Propoxur	41 - 2694	ND
Pyridaben	275 - 2837	ND
Spinosad A	32 - 2062	ND
Spinosad D	64 - 682	ND
Spiromesifen	255 - 2820	ND
Spirotetramat	284 - 2765	ND
Spiroxamine 1	14 - 1080	ND
Spiroxamine 2	23 - 1623	ND
Tebuconazole	308 - 2714	ND
Thiacloprid	42 - 2838	ND
Thiamethoxam	41 - 2821	ND
Trifloxystrobin	45 - 2726	ND

Final Approval


 Sam Smith
 07Feb2025
 10:36:00 AM MST
 PREPARED BY / DATE


 Karen Winternheimer
 07Feb2025
 10:38:00 AM MST
 APPROVED BY / DATE

Organic Tincture- 1350mg - Mint

Batch ID or Lot Number: 250307A	Test, Test ID and Methods: Various	Matrix: Concentrate	Page 3 of 6
Reported: 03Feb2025	Started: 31Jan2025	Received: 30Jan2025	

Mycotoxins - Colorado Compliance

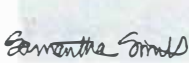
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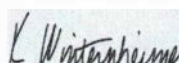
Methods: TM18 (UHPLC-QQQ

LCMS/MS): Mycotoxins

	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	3.63 - 119.61	ND	N/A
Aflatoxin B1	1.02 - 30.28	ND	
Aflatoxin B2	1.04 - 29.76	ND	
Aflatoxin G1	1.04 - 30.28	ND	
Aflatoxin G2	1.07 - 30.68	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

Final Approval

 Sam Smith
06Feb2025
09:14:00 AM MST
PREPARED BY / DATE

 Karen Winternheimer
06Feb2025
09:16:00 AM MST
APPROVED BY / DATE

Heavy Metals - Colorado Compliance

Test ID: T000297930

Methods: TM19 (ICP-MS): Heavy

Metals

	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.04 - 4.25	ND	
Cadmium	0.04 - 4.27	ND	
Mercury	0.05 - 5.31	ND	
Lead	0.04 - 4.44	ND	

Final Approval

 Judith Marquez
04Feb2025
01:35:00 PM MST
PREPARED BY / DATE

 Sam Smith
04Feb2025
01:38:00 PM MST
APPROVED BY / DATE



 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) - 03/18/2025 **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) - 03/18/2025 **ND**

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

NOTES
Sample unit mass provided by client.

CERTIFICATE OF ANALYSIS

PRODUCT NAME: Certified Organic CBD Tincture - Orange
PRODUCT STRENGTH: 1350 mg
FILL LOT NUMBER: NA
TINCTURE BATCH: 21140A
BEST BY DATE: 11/20/2022
HEMP EXTRACT LOT: [B1021-001](#)

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 - coconut and hemp, orange	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	1350-1687.5 mg CBD LOQ**: 10 PPM† (0.001%)	1428.5 mg	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 LOQ	PASS
Microbial - Salmonella	SOP-111	Complies with USP 61/62	Below LOQ	PASS
Microbial - Yeast and Mold	SOP-111	Complies with USP 61/62	Below LOQ	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

05/28/2021

Date



certificate ID
0KR48

B1021-001
25013

7USC1639 Certificate of Analysis

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

Stillwater
Laboratories

order 8689
received 10/22/2020 12:01:11 PM
test tag
source ID 25013
sample wgt 15.0 g

7USC1639 Infused



General

DESCRIPTION: Oil sample (15.00g) received in a client-labeled bottle, by commercial courier. Labeled 25013.

Potency	per 30 mL	LOD	LOQ	error (95%CI k=2)
tetrahydrocannabinolic acid (THCa)	ND	0.15	0.44	±0.44mg
Δ9-tetrahydrocannabinol (Δ9 THC)	ND	0.14	0.41	±0.41mg
Δ8-tetrahydrocannabinol (Δ8 THC)	ND	0.18	0.55	±0.55mg
tetrahydrocannabinol (THCv)	ND	0.15	0.46	±0.46mg
cannabidiolic acid (CBDA)	ND	0.13	0.38	±0.38mg
cannabidiol (CBD)	1428.5mg	0.15	0.44	±24.27mg
cannabivarin (CBDv)	9.2mg	0.14	0.43	±0.59mg
cannabigerolic acid (CBGa)	ND	0.13	0.39	±0.39mg
cannabigerol (CBG)	22.5mg	0.16	0.47	±0.85mg
cannabinol (CBN)	ND	0.08	0.24	±0.24mg
cannabichromene (CBC)	ND	0.14	0.43	±0.43mg

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

Microbial	result	limit	Metals	result	limit	Pesticides	result	limit	Pesticides	result	limit
E coli	PASS	0CFU	Arsenic	PASS	1500 ppb	Daminozide	PASS	0.0 ppm	Piperonylbutoxide	PASS	8.0 ppm
Salmonella sp.	PASS	0CFU	Cadmium	PASS	500 ppb	Dichlorvos	PASS	0.0 ppm	Prallethrin	PASS	0.4 ppm
molds	PASS	10000CFU	Lead	PASS	500 ppb	Diazinon	PASS	0.2 ppm	Propiconazole	PASS	20.0 ppm
Ochratoxin A	PASS	20 ppb	Mercury	PASS	300 ppb	Dimethoate	PASS	0.0 ppm	Propoxur	PASS	0.0 ppm
Aflatoxin	PASS	20 ppb				Etiozazole	PASS	1.5 ppm	Pyrethrin	PASS	1.0 ppm
Solvents	result	limit	Pesticides	result	limit	Fenoxycarb	PASS	0.0 ppm	Pyridaben	PASS	3.0 ppm
Acetone	PASS	5000 ppm	Abamectin	PASS	0.3 ppm	Fenpyroximate	PASS	2.0 ppm	Spinetoram	PASS	3.0 ppm
Acetonitrile	PASS	410 ppm	Acephate	PASS	5.0 ppm	Fipronil	PASS	0.0 ppm	Spinosad	PASS	3.0 ppm
Benzene	PASS	0 ppm	Acequinocyl	PASS	4.0 ppm	Flonicamid	PASS	2.0 ppm	Spiromesifen	PASS	12.0 ppm
Butane	PASS	5000 ppm	Acetamidiprid	PASS	5.0 ppm	Fludioxonil	PASS	30.0 ppm	Spirotetramat	PASS	13.0 ppm
Chloroform	PASS	0 ppm	Aldicarb	PASS	0.0 ppm	Hexythiazox	PASS	2.0 ppm	Spiroxamine	PASS	0.0 ppm
Cyclohexane	PASS	0 ppm	Azoxystrobin	PASS	40.0 ppm	Imazalil	PASS	0.0 ppm	Tebuconazole	PASS	2.0 ppm
Ethanol	PASS	10000 ppm	Bifenazate	PASS	5.0 ppm	Imidacloprid	PASS	3.0 ppm	Thiacloprid	PASS	0.1 ppm
Heptane	PASS	5000 ppm	Bifenthrin	PASS	0.5 ppm	Malathion	PASS	5.0 ppm	Thiamethoxam	PASS	4.5 ppm
Hexane	PASS	290 ppm	Boscalid	PASS	10.0 ppm	Metaxalyl	PASS	15.0 ppm	Trifloxystrobin	PASS	30.0 ppm
Isopropyl alcohol	PASS	5000 ppm	Carbaryl	PASS	0.5 ppm	Methiocarb	PASS	0.0 ppm			
Methanol	PASS	3000 ppm	Carbofuran	PASS	0.0 ppm	Methomyl	PASS	0.1 ppm			
Pentane	PASS	5000 ppm	Chloanthraniliprole	PASS	40.0 ppm	Methyl parathion	PASS	0.0 ppm			
Propane	PASS	5000 ppm	Chlorfenapyr	PASS	0.0 ppm	Mevinphos	PASS	0.0 ppm			
Toluene	PASS	890 ppm	Chlorpyrifos	PASS	0.0 ppm	Myclobutanil	PASS	9.0 ppm			
Xylenes	PASS	21/0 ppm	Clofentezine	PASS	0.5 ppm	Naled	PASS	0.5 ppm			
			Coumaphos	PASS	0.0 ppm	Oxamyl	PASS	0.2 ppm			
			Cyfluthrin	PASS	1.0 ppm	Paclobutrazol	PASS	0.0 ppm			
			Cypermethrin	PASS	1.0 ppm	Permethrin	PASS	20.0 ppm			
						Phosmet	PASS	0.2 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:

Justin M Johnston

Justin M Johnston
Deputy Director

Stillwater Laboratories Inc.
MT License L00001, 7, 8
6073 US93N Suite 5
Olney MT 59927
406-881-2019

Printed
10/23/2020 4:04 PM

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ISO/IEC 17025:2017



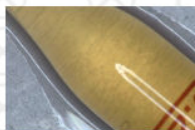
Certificate #4961.01

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

certificate ID
1ES02

OTO1350-21140A

7USC1639 Certificate of Analysis



rec'd 5/24/2021 10:52:27 AM

order 10827

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	ND	0CFU	0.01	0.11	±0.1CFU	PASS
Salmonella sp.	ND	0CFU	0.01	0.11	±0.1CFU	PASS
molds	ND	10000CFU	2.01	6.11	±6.1CFU	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=423635B2-5128-4C6F-871A-419DCF4350D7

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: $[\text{cannabinoid}] = \frac{[\text{cannabinoid}]_{\text{HPLC}} \times \text{volume}_{\text{dilution}}}{\text{mass}_{\text{dry}}}$ • Decarboxylated 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 $s_y^2 = \sum (\frac{\partial f}{\partial i})^2 s_i^2$ where i is the contributor to error. The 95% confidence range is calculated from: $(\text{concentration}) \pm t_{\alpha/2, n-1} \times s_y$ Sampling error is not considered in error calculations. ND = not detected (< LOD), NT = not tested, NL = no limit, NA = not applicable. ‡ = decarbed

Printed 5/28/2021 9:06 AM

