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 Atttributes

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 Speci		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	ast and 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 05/28/2021

Kayla Kolber Date

Quality Assurance Technician



certificate ID

0KR48

B1021-001

25013

total cannabinoids 1460.2mg

per

30 mL

THC‡ ND

CBD# 1428.5mg

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

General

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



7USC1639 Certificate of Analysis

Potency per 30 mL		LOD LOQ (95%Cl k=2)
tetrahydrocannabolic acid (THCa) Δ9-tetrahydrocannabinol (Δ9 THC) Δ8-tetrahydrocannabinol (Δ8 THC) tetrahydrocannabivarin (THCv) cannabidiolic acid (CBDa) cannabidiol (CBD) cannabidiolic (CBD) cannabidiorarin (CBDv) cannabigerolic acid (CBGa) cannabigerol (CBG) cannabinol (CBN) cannabichromene (CBC)	ND ND ND ND 1428.5mg 9.2mg ND 22.5mg ND ND	0.15 0.44 ±0.44mg 0.14 0.41 ±0.41mg 0.18 0.55 ±0.55mg 0.15 0.46 ±0.46mg 0.13 0.38 ±0.38mg 0.15 0.44 ±24.27mg 0.14 0.43 ±0.59mg 0.13 0.39 ±0.39mg 0.16 0.47 ±0.85mg 0.08 0.24 ±0.24mg 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		// // //	UK R48			Etoxazole	PASS	1.5 ppm	Pyrethrin	PASS	1.0 ppm
		_ 0				Fenoxycarb	PASS	0.0 ppm	Pyridaben	PASS	3.0 ppm
Solvents	result	limit	Pesticides	result	limit	Fenpyroximate	PASS	2.0 ppm	Spinetoram	PASS	3.0 ppm
Acetone	PASS	5000 ppm	Abamectin	PASS	0.3 ppm	Fipronil	PASS	0.0 ppm	Spinosad	PASS	3.0 ppm
Acetonitrile	PASS	410 ppm	Acephate	PASS	5.0 ppm	Flonicamid	PASS	2.0 ppm	Spiromesifen	PASS	12.0 ppm
Benzene		0 ppm	Acequinocyl		4.0 ppm	Fludioxonil	PASS	30.0 ppm	Spirotetramat	PASS	13.0 ppm
Butane	PASS	5000 ppm	Acetamiprid		5.0 ppm	Hexythiazox	PASS	2.0 ppm	Spiroxamine	PASS	0.0 ppm
Chloroform	PASS	0 ppm	Aldicarb		0.0 ppm	Imazalil	PASS	0.0 ppm	Tebuconazole	PASS	2.0 ppm
Cyclohexane		0 ppm	Azoxystrobin		40.0 ppm	Imidacloprid	PASS	3.0 ppm	Thiacloprid	PASS	0.1 ppm
Ethanol		10000 ppm	Bifenazate	PASS	5.0 ppm	Malathion	PASS	5.0 ppm	Thiamethoxam	PASS	4.5 ppm
Heptane	PASS	5000 ppm	Bifenthrin	PASS	0.5 ppm	Metalaxyl	PASS	15.0 ppm	Trifloxystrobin	PASS	30.0 ppm
Hexane		290 ppm	Boscalid	PASS	10.0 ppm	Methiocarb	PASS	0.0 ppm			
Isopropyl alcohol	PASS	5000 ppm	Carbaryl	PASS	0.5 ppm	Methomyl	PASS	0.1 ppm			
Methanol		3000 ppm	Carbofuran		0.0 ppm	Methyl parathion	PASS	0.0 ppm	INCTRUMENTO		
Dontono	DACC	5000 nnm	Chlooptropiliprolo	DACC	40.0 nnm	Mayinnhoe	PASS	0.0 npm	INSTRUMENTS		

SECURITY FEATURE: WATERMARK MUST MATCH CERTIFICATE ID AND ISSUE DATE

40.0 ppm

0.0 ppm

0.0 ppm

0.5 ppm

0.0 ppm

1.0 ppm

1.0 ppm

Certified by

Pentane PASS

Propane PASS

Toluene PASS

Xylenes PASS

5000 ppm

5000 ppm

890 ppm

2170 ppm

Justin M Johnston Deputy Director

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

Chloantraniliprole PASS

Chlorfenapyr PASS

Chlorpyrifos PASS

Clofentezine PASS

Coumaphos PASS

Cypermethrin PASS

Cyfluthrin PASS

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Mevinphos PASS

Naled PASS

PASS

PASS

Oxamyl PASS

Phosmet PASS

Myclobutanil PASS

Paclobutrazol

Permethrin



0.0 ppm

9.0 ppm

0.5 ppm

0.2 ppm

0.0 ppm

0.2 ppm

20.0 ppm





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

potency: HPLC (LC2030C-UV)

terpenes: GCMS (QP2020/HS20)

solvents: GCMS (QP2020/HS20)

pesticides: LCMSMS (LC8060)

metals: ICPMS (ICPMS-2030)

mycotoxins: LCMSMS (LC8060)

microbial: qPCR (AriaMx) and plating

certificate ID
1ES02

OTO1350-21140A

per

7USC1639 Certificate of Analysis

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

order 10827

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



per

Micro	obial	MSP-7.5.1.10	limit	LOD	LOQ	error	result
5	E.coli Salmonella sp.	ND ND	0CFU 0CFU	C	0.0 0.1	±0.1CFU ±0.1CFU	PASS PASS
n	nolds	ND	10000CFU		2.0 6.1	+6.1CFU	PASS

SECURITY FEATURE: WATERMARK MUST MATCH CERTIFICATE ID AND ISSUE DATE

Certified by:

Kyle Larson, MSc Deputy Director

Printed 5/28/2021 9:06 AM





https://customer.a2la.org/index.cfm?event= directory.detail&labPID=423635B2-5128-4C 6F-871A-419DCF43B0D7

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 calcuated as: [cannabioid] = [cannabinoid]_HPLC x volumedillulor/Indgy. •••• Decarboxyted cannabinoid concentration is calculated XXXlotal = 0.877 x XXXa + XXX •• 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 $\mathbf{s_g}^2 = \sum (\partial I/\partial I)^2 \mathbf{s_g}^2$ where i is the contributor to error. The 95% confidence range is calculated from: (concentration) $\pm \mathbf{t}_{\text{CL90}} \times \mathbf{s_g}$. Sampling error is not considered in error calculations. ND = not detected (< LOD), NT = not tested, NL = no limit, NA = not applicable. ‡ = decarbed