

CERTIFICATE OF ANALYSIS

PRODUCT NAME: Certified Organic CBD Tincture - Orange
PRODUCT STRENGTH: 1350 mg
FILL LOT NUMBER: re
TINCTURE BATCH E
BEST BY DATE: □
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	Below LOQ	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 *Kei Horikawa* **1**
 Kei Horikawa Date
 Quality Control Manager



B1021-001

25013

7USC1639 Certificate of Analysis

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

Stillwater Laboratories

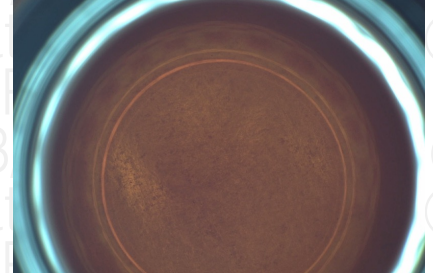
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total cannabinoids per 1460.2mg 30 mL

THC± ND CBD± 1428.5mg

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.

Table with columns: Potency, per 30 mL, LOD, LOQ, error (95%CI k=2). Rows include tetrahydrocannabinolic acid (THCa), Δ9-tetrahydrocannabinol (Δ9 THC), Δ8-tetrahydrocannabinol (Δ8 THC), tetrahydrocannabinavarin (THCv), cannabidiolic acid (CBDa), cannabidiol (CBD), cannabidivarin (CBDv), cannabigerolic acid (CBGa), cannabigerol (CBG), cannabinalol (CBN), and cannabichromene (CBC).

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

Table with columns: Microbial, result, limit, Metals, result, limit, Pesticides, result, limit, Pesticides, result, limit. Rows include E coli, Salmonella sp., molds, Ochratoxin A, Aflatoxin, Acetone, Acetonitrile, Benzene, Butane, Chloroform, Cyclohexane, Ethanol, Heptane, Hexane, Isopropyl alcohol, Methanol, Pentane, Propane, Toluene, Xylenes, and various metals and pesticides.

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:

Signature of 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

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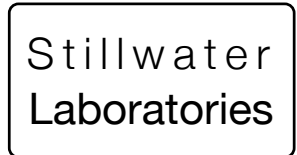


ISO/IEC 17025:2017



Certificate #4961.01

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



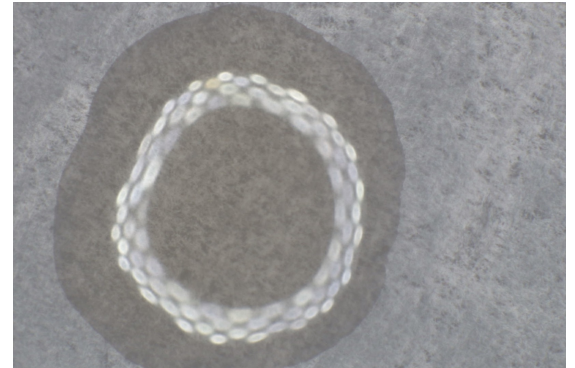
<https://portal.a2la.org/scopepdf/4961-01.pdf>

Lot# 21075A

Sample Handling

test ID **10170.1** sample wt
 type tincture order **10170**
 lab ID **1CT19** sample date 3/22/2021
 unit unit weight

tincture



Methods

	method	equipment
weights	MSP-7.3.1.3	AUX120.1
potency	MSP-7.5.1.5	LC-2030
terpenes	MSP-7.5.1.7	QP2020/HS20
pesticides	MSP-7.5.1.8	LC-8060
mycotoxins	MSP-7.5.1.8	LC-8060
microbial	MSP-7.5.1.1	AriaMx/Hardy
solvents	MSP-7.5.1.6	QP2020/HS20
metals	MSP-7.5.1.1	ICPMS2030

Potency	per	estimated error	Terpenes	%	estimated error	%	estimated error	%	estimated error
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not tested

terpenes
not tested / not required

Solvents	MT limit	1CT19	LOQ	Pesticides (MT)	MT limit	1CT19	LOQ	Pesticides (other)	1CT19	LOQ
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pesticides
not tested / not required

not tested /
not required

Toxic Metals	MT limit	1CT19	LOQ
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metals
not tested / not required

Microbial	MT limit	1CT19	LOQ
<i>E. coli</i>	10 CFU	0 CFU	<10 CFU/g
Salmonella sp.	10 CFU	0 CFU	<10 CFU/g
molds	10000 CFU	0 CFU	<10k CFU/g

Comments

• All testing was completed onsite at 6073 US93N, Olney MT • Potency (cannabinoid concentration) is calculated from the equation: [cannabinoid] = [cannabinoid]_{HPLC} x volume_{dilution} / m_{dry}. Terpene concentration is calculated from the equation: [terpene] = (terpene mass)_{GCMS} / m_{dry}. •• Decarboxyted cannabinoid concentration is calculated from the equation XXX_{total} = 0.877 x XXX_a + XXX ••• Standards are used to calibrate the resulting data and estimate error using a standard estimate of error method; this is combined with error from weighing and dilution using the propagation of error formula s_g² = Σ(∂f/∂i)²s_i² where i is the contributor to error. The 95% confidence range is calculated from the equation: (concentration) ± t_{CL90} x s_g. Sampling error is not

Certified by:

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