

CERTIFICATE OF ANALYSIS

PRODUCT NAME: Certified Organic CBD Tincture - Lemon
PRODUCT STRENGTH: 1350 mg
FILL LOT NUMBER: NA
TINCTURE BATCH 21152A
BEST BY DATE: 12/01/2022
HEMP EXTRACT LOT C0222-001

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, lemon	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%)	1445.1mg	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 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

06/07/2021

Date

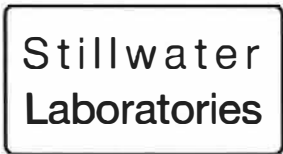


C0222-001

7USC1639 Certificate of Analysis

man. date 2/22/2021

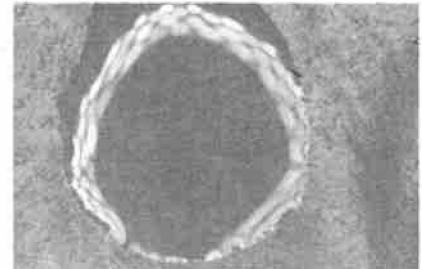
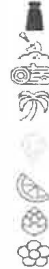
This Product Has Been Tested and Complies with 7USC1639o(1)



certificate ID 1BS31

total cannabinoids 1562.0mg per 30 mL
THC total ND CBD total 1445.1m terpenes

order 9903
analysis date 2/22/2021 5:32:07 PM
test tag S1BWO
sample wgt



Inspection MSP-7.5.1.2

DESCRIPTION: Concentrate sample received in a client-labeled bottle, collected at dispensary/grow. 1 and sample tag S1BWO.

- caryophyllene
humulene
terpinolene
ocimene
beta pinene
alpha pinene
limonene
myrcene
linalool

Potency per 30 mL

Table with columns: Compound, MSP-7.5.1.4, LOD, LOQ, error (95%CI k=2). Rows include tetrahydrocannabinolic acid (THCa), delta-9-tetrahydrocannabinol (delta 9 THC), delta-8-tetrahydrocannabinol (delta 8 THC), tetrahydrocannabivarin (THCv), cannabidiolic acid (CBDa), cannabidiol (CBD), cannabidivarin (CBDv), cannabigerolic acid (CBGa), cannabigerol (CBG), cannabinal (CBN), and cannabichromene (CBC).

Terpenes

MSP-7.5.1.6

MSP-7.5.1.6

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

Microbial

Table with columns: Organism, MSP-7.5.1.10, limit. Rows include E.coli, Salmonella sp. molds, Ochratoxin A, and Aflatoxin.

Metals

Table with columns: Metal, MSP-7.5.1.11, limit. Rows include Arsenic, Cadmium, Lead, and Mercury.

Pesticides

Table with columns: Pesticide, MSP-7.5.1.8, limit. Rows include Abamectin, Acephate, Acequinocyl, Acetamiprid, Aldicarb, Azoxystrobin, Bifenazate, Bifenthrin, Boscalid, Carbaryl, Carbofuran, Chloanthraniliprole, Chlorfenapyr, Chlorpyrifos, Clofentezine, Coumaphos, Cyfluthrin, Cypermethrin, Daminozide, Dichlorvos, Diazinon, Dimethoate, Etoxazole, Fenoxycarb, Fenprophymate.

Pesticides

Table with columns: Pesticide, MSP-7.5.1.8, limit. Rows include Fipronil, Flonicamid, Fludioxonil, Hexythiazox, Imazalil, Imidacloprid, Malathion, Metalaxyl, Methiocarb, Methomyl, Methyl parathion, Mevinphos, Myclobutanil, Naled, Oxamyl, Paclobutrazol, Permethrin.

Solvents

Table with columns: Solvent, MSP-7.5.1.7, limit. Rows include Acetone, Acetonitrile, Benzene, Butane, Chloroform, Cyclohexane, Ethanol, Heptane, Hexane, Isopropyl alcohol, Methanol, Pentane, Propane, Toluene, Xylenes.

Pesticides

Table with columns: Pesticide, MSP-7.5.1.8, limit. Rows include Permethrin, Phosmet, Piperonylbutoxide, Prallethrin, Propiconazole, Propoxur, Pyrethrin, Pyridaben, Spinetoram, Spinosad, Spiromesifen, Spirotetramat, Spiroxamine, Tebuconazole, Thiadoprid, Thiamethoxam, Trifloxystrobin.

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

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



Justin M Johnston
Deputy Director

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3/2/2021 1:09 PM

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

certificate ID
1FC153

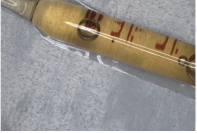
OTL1350

7USC1639 Certificate of Analysis

21152A

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order 10936



per

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

Stillwater Laboratories



Microbial

	MSP-7.5.1.10	limit	LOD	LOQ	error	result
E.coli	ND	0CFU	0.010.11	±0.1CFU		PASS
Salmonella sp.	ND	0CFU	0.010.11	±0.1CFU		PASS
molds	ND	10000CFU	1.815.51	±5.5CFU		PASS

SECURITY FEATURE: WATERMARK MUST MATCH CERTIFICATE ID AND ISSUE DATE

Certified by:



https://customer.a2la.org/index.cfm?event=directory_detail&labPID=423635B2-5128-4C6F-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 calculated as: $[\text{cannabinoid}] = [\text{cannabinoid}]_{\text{HPLC}} \times \text{volume}_{\text{dilution}} / \text{M}_{\text{dry}}$ • Decarboxyated cannabinoid concentration is calculated $\text{XXX}_{\text{total}} = 0.877 \times \text{XXXa} + \text{XXX}$ • 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: $(\text{concentration}) \pm t_{\text{CL},90} \times s_y$. Sampling error is not considered in error calculations. ND = not detected (< LOD), NT = not tested, NL = no limit, NA = not applicable. ‡ = decarbed

Printed 6/6/2021 1:00 PM