CERTIFICATE OF ANALYSIS

PRODUCT NAME: Certified Organic CBD Tincture - Orange

 PRODUCT STRENGTH:
 900 mg

 FILL LOT NUMBER:
 201111B

 TINCTURE BATCH
 201117I

 BEST BY DATE:
 05/23/2022

 HEMP EXTRACT LOT*:
 B1020-002

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	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	900-1,125 mg CBD LOQ**: 10 PPM† (0.001%)	934.5 mg	PASS		
Potency - D9-THC	SOP-111	None Detected LOQ: 10 PPM (0.001%)		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		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 12/04/2020

Kei Horikawa Date

Quality Control Manager



total cannabinoids

32 mg per mL Δ9-THC
0.00 n

Δ9-THC THCa total THC

0.00 mg 0.00 mg 0.00 mg

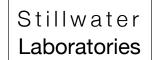
CBD CBDa total CBD

31.15 mg 0.00 mg 31.15 mg

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







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

Lot# 201111B

method

Sample Handling

test ID
type concentrate
lab ID 0LJ63 sa
unit mL

sample wt order 8900 sample date 11/12/2020 unit weight 1.0 g

equipment

Methods

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 MSP-7.5.1.8 LC-8060 mvcotoxins MSP-7.5.1.1 AriaMx/Hardy microbial solvents MSP-7.5.1.6 QP2020/HS20 metals MSP-7.5.1.1 ICPMS2030

concentrate



Potency	per	mL		estimated error	Terpenes	%	estimated error		%	estimated error	%	estimated error
tetrahydrocannabolic	acid (THCa)	0%	0.00 mg	± 0.02 mg								
Δ9-tetrahydrocannabii	nol (Δ ⁹ THC)	0%	0.00 mg	± 0.02 mg								
Δ8-tetrahydrocannabi	nol (Δ ⁸ THC)	0%	0.00 mg	± 0.02 mg								
tetrahydrocannabiy	varin (THCv)	0%	0.00 mg	± 0.02 mg	terr	enes						
cannabidiolic	acid (CBDa)	0%	0.00 mg	\pm 0.02 mg				a al				
canna	bidiol (CBD)	3.25%	31.15 mg	± 0.04 mg	not	tested /	not require	2 0				
cannabidiv	arin (CBDv)	0%	0.00 mg	± 0.02 mg								
cannabigerolic a	acid (CBGa)	0%	0.00 mg	± 0.02 mg								
cannabi	gerol (CBG)	.04%	0.34 mg									
canna	abinol (CBN)	.02%	0.17 mg									
cannabichror	mene (CBC)	0%	0.00 mg	± 0.02 mg								
Solvents	MT limit	0LJ63	LOQ	F	Pesticides (MT)	MT limit	0LJ63	LOQ P	estic	ides (other)	0LJ63	LOQ

pesticides not tested / not required not tested / not required

Toxic Metals

MT limit

1.163

LOQ

metals not tested / not required

Microbial

MT limit

microbial not tested

0LJ63

LOQ

Comments

Density = .9587g/mL

Certified by:

Kyle Larson, MSc (Biology) Deputy Director 6073 US93N, Olney MT 59927 406-881-2019 rdb@stwlabs.com

• All testing was completed onsite at 6073 US93N, Olney MT • Potency (cannabinoid concentration) is calcuated from the equation: [cannabioid] = [cannabinoid]_{HPLC} x volume_dilution/Mdry. Terpene concentration is calcuated from the equation: [terpene] = (terpene mass)_{GCMS} / m_{dry}. ••• Decarboxyted cannabinoid concentration is calculated from the equation XXX_{total} = 0.877 x XXXX + 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 $s_g^2 = \sum (\partial f/\partial i)^2 s_i^2$ where i is the contributor to error. The 95% confidence range is calculated from the equation: (concentration) \pm t_{CL90} x s_g. Sampling error is not



certificate ID **0KR46**

B1020-002

sample ID 25004 retention ID 25004

analysis: 10/22/2020 12:01:11 PM

total cannabinoids

947.1mg

per 30 mL

THC‡

CBD# 930.5mg

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

7USC1639 Certificate of Analysis

Stillwater Laboratories

7USC1639 Infused

order 8689

received 10/22/2020 12:01:11 PM

test tag

sample wgt 15.0 g

Inspection MSP-7.5.1.2

DESCRIPTION: Oil sample (15.00g) received in a client-labeled bottle, by commercial courier. Labeled 25004.

Potency per 30 mL (95%Cl k=2) MSP-7.5.1.4 LOQ tetrahydrocannabolic acid (THCa) ND 0.19 | 0.57 | ±0.57mg ND 0.18 | 0.54 | ±0.54mg Δ9-tetrahydrocannabinol (Δ9 THC) Δ8-tetrahydrocannabinol (Δ8 THC) ND 0.24 | 0.72 | ±0.72mg tetrahydrocannabivarin (THCv) ND 0.20 | 0.60 | ±0.60mg cannabidiolic acid (CBDa) ND 0.17 | 0.50 | ±0.50mg cannabidiol (CBD) 930.5mg 0.19 | 0.57 | ±16.33mg cannabidivarin (CBDv) 0.19 | 0.57 | ±0.63mg 3.5mg cannabigerolic acid (CBGa) ND 0.17 | 0.51 | ±0.51 mg 0.21 | 0.62 | ±0.84mg cannabigerol (CBG) 13.1mg ND cannabinol (CBN) 0.10 | 0.31 | ±0.31mg cannabichromene (CBC) ND 0.19 | 0.56 | ±0.56mg

5000 ppm

890 ppm

2170 ppm

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

Microbial M	SP-7.5.1.	10 limit	Metals N	ISP-7.5.1.1	1 limit	Pesticides	MSP-7.5.1.8	3 limit	Pesticides	MSP-7.5.1.	8 limit
			Arsenic	PASS	1500 ppb	Daminozide	PASS	0.0 ppm	Piperonylbutoxide	PASS	8.0 ppm
			Cadmium	PASS	500 ppb	Dichlorvos	PASS	0.0 ppm	Prallethrin	PASS	0.4 ppm
			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		/	K H 4 h 0			Etoxazole	PASS	1.5 ppm	Pyrethrin	PASS	1.0 ppm
0/20/20						Fenoxycarb	PASS	0.0 ppm	Pyridaben	PASS	3.0 ppm
Solvents	SP-7.5.1.7	limit	Pesticides	MSP-7.5.1.8	B 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	PASS	0 ppm	Acequinocyl	PASS	4.0 ppm	Fludioxonil	PASS	30.0 ppm	Spirotetramat	PASS	13.0 ppm
Butane	PASS	5000 ppm	Acetamiprid	PASS	5.0 ppm	Hexythiazox	PASS	2.0 ppm	Spiroxamine	PASS	0.0 ppm
Chloroform	PASS	0 ppm	Aldicarb	PASS	0.0 ppm	Imazalil	PASS	0.0 ppm	Tebuconazole	PASS	2.0 ppm
Cyclohexane	PASS	0 ppm	Azoxystrobin	PASS	40.0 ppm	Imidacloprid	PASS	3.0 ppm	Thiacloprid	PASS	0.1 ppm
Ethanol	PASS	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	PASS	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	PASS	0.0 ppm	Methyl parathion	PASS	0.0 ppm	INSTRUMENTS		
Pentane	PASS	5000 ppm	Chloantraniliprole	PASS	40.0 ppm	Mevinphos	PASS	0.0 ppm	potency: HPLC (LC	2030C-UV	12/90
							potency. In LO (LO20000-0				

SECURITY FEATURE: WATERMARK MUST MATCH CERTIFICATE ID AND ISSUE DATE

0.0 ppm

0.0 ppm

0.5 ppm

0.0 ppm

1.0 ppm

1.0 ppm

Certified by

Propane PASS

Toluene PASS

Xylenes PASS

Justin M Johnston **Deputy Director**

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

Chlorfenapyr PASS

Chlorpyrifos PASS

Clofentezine PASS

Coumaphos PASS

Cypermethrin PASS

Cyfluthrin PASS

10/27/2020 4:45 PM

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9.0 ppm

0.5 ppm

0.2 ppm

0.0 ppm

0.2 ppm

20.0 ppm

Myclobutanil PASS

Phosmet PASS

PASS

PASS

PASS

PASS

Naled

Oxamyl

Paclobutrazol

Permethrin





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

terpenes: GCMS (QP2020/HS20)

solvents: GCMS (QP2020/HS20)

pesticides: LCMSMS (LC8060)

metals: ICPMS (ICPMS-2030)

mycotoxins: LCMSMS (LC8060)

microbial: qPCR (AriaMx) and plating



Certificate of Analysis

Sample Information

CTLA ID: 23720

Date Received: 11/24/2020

Sample Name: ORG BS MCT 900 Orange Packaging

Lot Number: 201117I

Customer:

Analysis	Method	MDL Specification	Result	Units
Rapid Complete Micro				
Total Plate Count	USP <2021>	100 Report	<100	cfu/g
Total Coliforms	BAM CH.4	10 Report	<10	cfu/g
E. coli	USP <2022>	Report	Negative	
Salmonella	USP <2022>	Report	Negative	
Staphylococcus aureus	USP <2022>	Report	Negative	
Rapid Yeast and Mold	AOAC 997.02	10 Report	<10	cfu/g

11/30/2020

DATE

Quality Manager

Specifications provided by the Customer. Results with an asterisk (*) denote Specifications should be reviewed by the Customer. This Certificate of Analysis represents data for the sample submitted and does not constitute a guarantee of quality for the entire product from which it was taken. These results are provided for the benefit of the Customer. MDL = Method Detection Limit.