

CERTIFICATE OF ANALYSIS

PRODUCT NAME: Certified Organic CBD FS Tincture - Key Lime
PRODUCT STRENGTH: 900 mg
FILL LOT NUMBER: 200916B
TINCTURE BATCH 200921B
BEST BY DATE: 03/29/2022
HEMP EXTRACT LOT*: **B0630-001**

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	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%)	963.3 mg	PASS
Potency - D9-THC	SOP-111	None Detected LOQ: 10 PPM (0.001%)	.12%	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 Kei Horikawa 10/20/2020
 Kei Horikawa Date
 Manager of Quality Assurance



total cannabinoids	Δ^9 -THC	THCa	total THC
36 mg	1.15 mg	0.00 mg	1.15 mg
per	CBD	CBDa	total CBD
mL	31.96 mg	0.18 mg	32.11 mg

Lot# 200916B

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



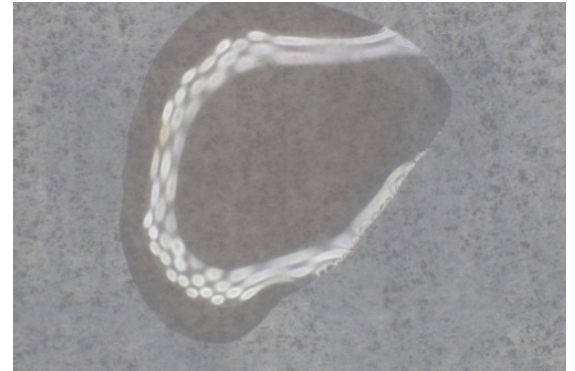
Stillwater Laboratories

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

Sample Handling

tincture

test ID	sample wt
type tincture	order 8410
lab ID 0JQ21	sample date 9/21/2020
unit mL	unit weight 0.9 g



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 RTPCR
solvents	MSP-7.5.1.6 QP2020/HS20
metals	MSP-7.5.1.1 ICPMS2030

Potency	per mL	estimated error	Terpenes	%	estimated error	%	estimated error	%	estimated error
tetrahydrocannabinolic acid (THCa)	0%	0.00 mg	terpenes not tested / not required						
Δ^9 -tetrahydrocannabinol (Δ^9 THC)	.12%	1.15 mg							
Δ^8 -tetrahydrocannabinol (Δ^8 THC)	0%	0.00 mg							
tetrahydrocannabivarin (THCv)	0%	0.00 mg							
cannabidiolic acid (CBDa)	.02%	0.18 mg							
cannabidiol (CBD)	3.4%	31.96 mg							
cannabidivarin (CBDv)	.02%	0.16 mg							
cannabigerolic acid (CBGa)	0%	0.00 mg							
cannabigerol (CBG)	.09%	0.84 mg							
cannabinol (CBN)	.03%	0.31 mg							
cannabichromene (CBC)	.12%	1.13 mg							

Solvents	MT limit	0JQ21	LOQ	Pesticides (MT)	MT limit	0JQ21	LOQ	Pesticides (other)	0JQ21	LOQ
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pesticides not tested / not required

not tested / not required

Toxic Metals	MT limit	0JQ21	LOQ
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metals not tested / not required

Microbial	MT limit	0JQ21	LOQ
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microbial not tested

Comments

Density = 0.94004g/mL

• 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:

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



total cannabinoids
3018 mg
 per
30mL

Δ^9 -THC 75.4 mg
 CBD 2762.0 mg

THCa 0.0 mg
 CBDa 0.0 mg

total THC 75.4 mg
 total CBD 2762.0 mg

Lot# B0630-001.200727E-OFS

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Stillwater Laboratories

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

Sample Handling

test ID sample wt
 type concentrate order **7945**
 lab ID **OGX02** sample date 7/29/2020
 unit 30mL unit weight **27.6 g**

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 RTPCR
solvents	MSP-7.5.1.6 QP2020/HS20
metals	MSP-7.5.1.1 ICPMS2030

concentrate



Potency	per	30mL	estimated error	Terpenes	%	estimated error	%	estimated error	%	estimated error
tetrahydrocannabinolic acid (THCa)	0%	0.0 mg	± 0.45 mg	terpenes not tested / not required						
Δ^9 -tetrahydrocannabinol (Δ^9 THC)	.27%	75.4 mg	± 1.42 mg							
Δ^8 -tetrahydrocannabinol (Δ^8 THC)	0%	0.0 mg	± 0.45 mg							
tetrahydrocannabivarin (THCv)	.15%	41.9 mg	± 1.10 mg							
cannabidiolic acid (CBDa)	0%	0.0 mg	± 0.45 mg							
cannabidiol (CBD)	10.01%	2762.0 mg	± 8.14 mg							
cannabidivarin (CBDv)	.06%	15.2 mg	± 0.75 mg							
cannabigerolic acid (CBGa)	0%	0.0 mg	± 0.45 mg							
cannabigerol (CBG)	0%	0.0 mg	± 0.45 mg							
cannabinol (CBN)	.08%	23.1 mg	± 0.87 mg							
cannabichromene (CBC)	.36%	100.0 mg	± 1.61 mg							

Pesticides (MT)

MT limit	OGX02	LOQ	Pesticides (other)	OGX02	LOQ
	0.00 ppm	<10ppb	acephate	0.00 ppm	<10ppb
	0.00 ppm	<10ppb	acetamiprid	0.00 ppm	<10ppb
	0.00 ppm	<10ppb	aldicarb	0.00 ppm	<10ppb
	0.00 ppm	<10ppb	azoxystrobin	0.00 ppm	<10ppb
	0.00 ppm	<10ppb	boscalid	0.00 ppm	<10ppb
	0.00 ppm	<80ppb	carbaryl	0.00 ppm	<10ppb
	0.00 ppm	<10ppb	carbofuran	0.00 ppm	<10ppb
	0.00 ppm	<10ppb	chlorantraniliprole	0.00 ppm	<10ppb
	0.00 ppm	<10ppb	chlorpyrifos	0.00 ppm	<10ppb
	0.00 ppm	<10ppb	clofentezine	0.00 ppm	<10ppb
	0.00 ppm	<10ppb	cypermethrin	0.00 ppm	<10ppb
	0.00 ppm	<10ppb	diazinon	0.00 ppm	<10ppb
	0.00 ppm	<10ppb	dichlorvos	0.00 ppm	<10ppb
	0.00 ppm	<10ppb	dimethoate	0.00 ppm	<10ppb
	0.00 ppm	<10ppb	etofenprox	0.00 ppm	<10ppb
	0.00 ppm	<10ppb	fenpyroximate	0.00 ppm	<10ppb
	0.00 ppm	<10ppb	fipronil	0.00 ppm	<10ppb
	0.00 ppm	<10ppb	flonicamid	0.00 ppm	<10ppb
	0.00 ppm	<10ppb	fludioxonil	0.00 ppm	<10ppb
	0.00 ppm	<10ppb	hexythiazox	0.00 ppm	<10ppb
	0.00 ppm	<10ppb	kresoxym-methyl	0.00 ppm	<10ppb
	0.00 ppm	<10ppb	malathion	0.00 ppm	<10ppb
	0.00 ppm	<10ppb	metalaxyl	0.00 ppm	<10ppb
	0.00 ppm	<10ppb	methiocarb	0.00 ppm	<10ppb
	0.00 ppm	<10ppb	methomyl	0.00 ppm	<10ppb
	0.00 ppm	<10ppb	oxamyl	0.00 ppm	<10ppb
	0.00 ppm	<10ppb	permethrins	0.00 ppm	<10ppb
	0.00 ppm	<10ppb	phosmet	0.00 ppm	<10ppb
	0.00 ppm	<10ppb	piperonyl butoxide	0.00 ppm	<10ppb
	0.00 ppm	<10ppb	prallethrin	0.00 ppm	<10ppb
	0.00 ppm	<10ppb	propiconazole	0.00 ppm	<10ppb
	0.00 ppm	<10ppb	pyridaben	0.00 ppm	<10ppb
	0.00 ppm	<10ppb	spiroxamine	0.00 ppm	<10ppb
	0.00 ppm	<10ppb	tebuconazole	0.00 ppm	<10ppb
	0.00 ppm	<10ppb	thiacloprid	0.00 ppm	<10ppb
	0.00 ppm	<10ppb	thiamethoxam	0.00 ppm	<10ppb

Toxic Metals

MT limit	OGX02	LOQ
arsenic	2 ppm	0.0 ppm
cadmium	4.1 ppm	0.0 ppm
lead	1.2 ppm	0.0 ppm
mercury	0.4 ppm	0.0 ppm

Microbial

MT limit	OGX02	LOQ
Aflatoxin B1,B2,G1,G2	20 ppb	0 ppb
Ochratoxin A	20 ppb	0 ppb

microbial not tested

Comments

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Certified by:

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

Certificate of Analysis

Sample Information

CTLA ID: 21730
 Date Received: 9/30/2020
 Sample Name: Organic FS MCT Key Lime 900 Production
 Lot Number: 200921B
 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
<i>E. coli</i>	USP <2022>	Report	Negative	
<i>Salmonella</i>	USP <2022>	Report	Negative	
<i>Staphylococcus aureus</i>	USP <2022>	Report	Negative	
Rapid Yeast and Mold	AOAC 997.02	10 Report	<10	cfu/g

10/5/2020
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.