CERTIFICATE OF ANALYSIS

PRODUCT NAME: Certified Organic CBD FS Tincture - Key Lime

 PRODUCT STRENGTH:
 450 mg

 FILL LOT NUMBER:
 NA

 TINCTURE BATCH:
 21167A

 BEST BY DATE:
 12/16/2022

 HEMP EXTRACT LOT
 B1211-001

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 - Olive and hemp	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	450-562.5 mg CBD LOQ**: 10 PPM† (0.001%)	465.7 mg	PASS	
Potency - D9-THC	ency - D9-THC SOP-111 None De		.05%	PASS	
Compliant Pesticide Panel	SOP-111	WIP-100008 : Product specification for Tinctures, Oregon Action limits apply	ND	PASS	
Microbial - Stec E.Coli SOP-13		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-1		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 07/14/2021

Kayla Kolber Date

Quality Assurance Technician



certificate ID

0MN52

B1211-001

sample ID 25408

7USC1639 Certificate of Analysis

total cannabinoids 510.4mg

per 30mL

15.1mg CBD‡ 465.7mg Stillwater Laboratories

order 9236

analysis date 12/15/2020 4:57:23 PM

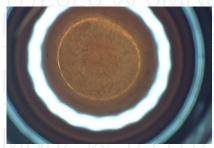
test tag B1211-001

sample wgt 1.0 g

Inspection MSP-7.5.1.2

DESCRIPTION: Tincture sample (1.00g) received in a client-labeled bottle, by commercial courier. Labeled 25408 and sample tag B1211-001.





MSP-7.5.1.4	LOD	LOQ	error (95%Cl k=2)
ND 15 1mg			
/ NĎ			
-/ 1 11.7 [
465.7mg			
ND	0.06	10.17	I ±0.17mg
/			
25.0mg	0.06	10.19	I ±0.61mg
1.8mg	0.03	10.09	I ±0.12mg
2.8mg	0.06	10.17	I ±0.22mg
	15.1mg ND ND ND 465.7mg ND ND 25.0mg 1.8mg	ND 0.06 15.1mg 0.05 ND 0.07 ND 0.06 ND 0.05 465.7mg 0.06 ND 0.06 ND 0.05 25.0mg 0.06 1.8mg 0.03	ND 0.06 0.17 15.1mg 0.05 0.16 ND 0.07 0.22 ND 0.06 0.18 ND 0.05 0.15 465.7mg 0.06 0.17 ND 0.06 0.17 ND 0.05 0.15 25.0mg 0.06 0.19 1.8mg 0.03 0.09

5000 ppm

890 ppm

2170 ppm

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

7-00100111101											
Microbial N	ISP-7.5.1.	10 limit	Metals	SP-7.5.1.1	1 limit	Pesticides	MSP-7.5.1.8	8 limit	Pesticides	MSP-7.5.1.8	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		/ 5 - / \				Etoxazole	PASS	1.5 ppm	Pyrethrin	PASS	1.0 ppm
						Fenoxycarb	PASS	0.0 ppm	Pyridaben	PASS	3.0 ppm
Solvents	SP-7.5.1.7	limit	Pesticides	/ISP-7.5.1.	8 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		5.0 ppm	Hexythiazox	PASS	2.0 ppm	Spiroxamine	PASS	0.0 ppm
Chloroform	PASS	0 ppm	Aldicarb	PASS	0.4 ppm	lmazalil	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		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	7/90
				△ /	_/_ /		D 4 0 0	0.0	pototioy. The LO (LO		

Cypermethrin PASS 1.0 ppm SECURITY FEATURE: WATERMARK MUST MATCH CERTIFICATE ID AND ISSUE DATE

0.0 ppm

0.0 ppm

0.5 ppm

0.5 ppm

1.0 ppm

Propane PASS

Toluene PASS

Xylenes PASS

Kyle Larson, MSc (Biology) 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

Cyfluthrin PASS

12/17/2020 3:27 PM

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Myclobutanil PASS

Phosmet PASS

PASS

PASS

PASS

PASS

Naled

Oxamyl

Paclobutrazol

Permethrin



9.0 ppm

0.5 ppm

0.2 ppm

0.0 ppm

20.0 ppm

0.2 ppm





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

terpenes: GCMS (QP2020/HS20)

solvents: GCMS (QP2020/HS20)

pesticides: LCMSMS (LC8060)

mycotoxins: LCMSMS (LC8060)

metals: ICPMS (ICPMS-2030)

microbial: qPCR (AriaMx) and plating



Official Compliance: Colorado CERTIFICATE OF ANALYSIS

OFTKL450

Batch ID or Lot Number: Test: Reported:

21167A Microbial Contaminants 7/13/21

Matrix: Test ID: Started: USDA License:

Finished Product T000150065 7/8/21 NA

Status: Methods: Received: Sampler ID:

NA TM24, TM25, TM26, TM27 07/07/2021 @ 12:56 PM NA

MICROBIAL CONTAMINANTS

Contaminant	Method	LOD	LOQ	Result	
Total Aerobic Count*	TM-26	10^2 CFU/gram	10^3 CFU/gram	None Detected	
rotar Acrobic Count	Culture Plating	10 2 61 07814111	10 3 61 67 61 4111	None Detected	
Total Coliforms*	TM-27	10^1 CFU/gram	10^2 CFU/gram	None Detected	
Total Comornis	Culture Plating	10.11 CFO/grain	10.72 CFO/grain		
Total Yeast and Molds*	TM-24	1001 CELl/gram	10^2 CFU/gram	None Detected	
Total Teast allu Molus"	Culture Plating	10^1 CFU/gram	10'\2 CFO/graili		
E coli (CTEC)	TM-25	1 CELL/DE grams	NIA	Absent	
E. coli (STEC)	PCR	1 CFU/25 grams	NA	Ausent	
Salmonella	TM-25	1 CELL/DE grams	NA	Absent	
Salliionella	PCR	1 CFU/25 grams	NA		

Free from visual mold, mildew, and foreign matter

Notes

Energino.

Sarah Henning 13-Jul-21 10:30 AM

Courtny Richals

Courtney Richards 13-Jul-21 3:19 PM

PREPARED BY / DATE APPROVED BY / DATE

Definitions

CFU/g = Colony Forming Units per Gram

* Values recorded in scientific notation, a common microbial practice of expressing numbers that are too large to be conveniently written in decimal form.

Examples: $10^2 = 100 \, CFU$

10^3 = 1,000 CFU 10^4 = 10,000 CFU 10^5 = 100,000 CFU



Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of Botanacor Laboratories, LLC.



