CERTIFICATE OF ANALYSIS

PRODUCT NAME: Certified Organic CBD Tincture - Natural

 PRODUCT STRENGTH:
 1350 mg

 TINCTURE BATCH:
 21208A

 BEST BY DATE:
 01/27/2023

 HEMP EXTRACT LOT:
 CO524-003

Click on the links to view third-party reports

Physical Atttributes

Test	Method	Specification	Results
Color	Internal	Golden to Amber	PASS
Odor	Internal	ernal Characteristic - Olive and Hemp P	
Appearance	Internal	Golden to Amber oil in brown glass bottle with dropper.	PASS
Primary Package Eval.	Internal	Container clean and free of filth. Container caps tight and shrink bands intact	PASS
Secondary Package Eval.	Eval. Internal 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	HPLC-UV DAD	1,350-1,687.5 mg CBD LOQ**: 10 ppm† (0.001%)	1,473.9 mg	PASS
Potency - D9-THC	HPLC-UV DAD	LOQ: 10 ppm (.001-0.3%)	ND	PASS
Expanded Pesticide Panel	HPLC-QQQ	LOQ: Complies with CDPHE 6 CCR 1010-21 Industrial Hemp Extract	ND	PASS
Microbial Escherichia coli (STEC)	PCR	Complies with CDPHE 6 CCR 1010-21 - LOQ 1 CFU/25 gram	Absent	PASS
Microbial Salmonella	PCR	Complies with CDPHE 6 CCR 1010-21 - LOQ 1 CFU/25 gram	Absent	PASS
Microbial Yeast and Mold	Culture Plating	Complies with CDPHE 6 CCR 1010-21 - LOQ 10^2 CFU/gram	Below LOQ	PASS
Microbial Total Coliforms*	Culture Plating	Complies with CDPHE 6 CCR 1010-21 - LOQ 10^2 CFU/gram	Below LOQ	PASS
Microbial Total Aerobic Count*	Culture Plating	Complies with CDPHE 6 CCR 1010-21 - LOQ 10^3 CFU/gram	Below LOQ	PASS
Heavy Metals Panel	ICP-MS	Arsenic (As): ≤1.5 ppm Cadmium (Cd): ≤0.5 ppm Lead (Pb): ≤0.5 ppm Mercury (Hg): ≤1.5 ppm	ND	PASS
Mycotoxins	ICP-MS	Total Aflatoxins <20 ppb† Afltoxin B1 < 5 ppb Ochratoxin < 5ppb		Not Tested
Residual Solvents	GC-HS-MSD	LOQ: Complies with CDPHE 6 CCR 1010-21 Industrial Hemp Extract	ND	PASS

^{**}Level of Quantitation, † Parts Per Million † Part Per Billion CFU/g=Colony Forming Units per Gram 10²=100 CFU 10³=1,000 CFU

Quality Certified

Kayla Kolber
Kayla Kolber

08/03/2021

Date



certificate ID

1ET46

C0524-003

THC‡

7USC1639 Certificate of Analysis

man. date 5/24/2021

cannabinoids 1575.4mg

per 30mL

ID CBD‡ 1473.9mg terpenes

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

MSP-7.5.1.6

Stillwater Laboratories

MSP-7.5.1.6

order 10848

analysis date 5/25/2021 3:34:44 PM

test tag S1HYQ sample wgt

Inspection MSP-7.5.1.2

cannabichromene (CBC)

DESCRIPTION: Concentrate sample received in a client-labeled bottle, collected at dispensary/grow. 1 and sample tag S1HYQ

caryophyllene
humulene
terpinolene
ocimene
beta pinene
alpha pinene
limonene
myrcene

linalool

Terpenes



error LOQ (95%Cl k=2) Potency per 30mL MSP-7.5.1.4 total CBD‡ 1473.9mg 0.07 | 0.20 | ±24.92mg total CBD (CBD+CBDa) 1473.9mg 0.07 | 0.20 | ±24.92mg tetrahydrocannabolic acid (THCa) ND 0.07 | 0.20 | ±0.20mg Δ9-tetrahydrocannabinol (Δ9 THC) ND 0.06 | 0.19 | ±0.19mg Δ8-tetrahydrocannabinol (Δ8 THC) ND 0.08 | 0.25 | ±0.25mg tetrahydrocannabivarin (THCv) ND 0.07 | 0.21 | ±0.21mg ND cannabidiolic acid (CBDa) 0.06 | 0.17 | ±0.17mg 1473.9mg cannabidiol (CBD) 0.07 | 0.20 | ±24.92mg cannabidivarin (CBDv) ND 0.07 | 0.20 | ±0.20mg cannabigerolic acid (CBGa) ND 0.06 | 0.18 | ±0.18mg cannabigerol (CBG) 101.4mg 0.02 | 0.06 | ±1.76mg cannabinol (CBN) ND 0.04 | 0.11 | ±0.11mg

ND

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

MSP-7.5.1.1	0 limit	Metals	ISP-7.5.1.1	1 limit	Pesticides	MSP-7.5.1.8	limit	Pesticides
PASS	0CFU	Arsenic	PASS	1500 ppb	Abamectin	PASS	0.30 ppm	
PASS	0CFU	Cadmium	PASS	500 ppb	Acephate	PASS	5.00 ppm	Flo
PASS	10000CFU	Lead	PASS	500 ppb	Acequinocy	PASS	4.00 ppm	(X) flu
PASS	20 ppb	Mercury	PASS	300 ppb	Acetamipric	PASS	5.00 ppm	Hex
	75 - 75				Aldicarb	PASS	0.00 ppm	
					Azoxystrobin	PASS	40.00	Imid
/ISP-7.5.1.7	limit	Pesticides	MSP-7.5.1.	8 limit	Bifenazate	PASS	5.00 ppm	N M
PASS	5000 ppm	Permethrin	PASS	20.00 ppm	Bifenthrin	PASS	0.50 ppm	N.
PASS	410 ppm	Phosmet	PASS	0.20 ppm	Boscalio	PASS	10.00	Me
PASS	0 ppm	Piperonylbutoxide	PASS	8.00 ppm	Carbary	PASS	0.50 ppm	() M
PASS	5000 ppm	Prallethrin	PASS	0.40 ppm	Carbofurar	PASS	0.00 ppm	Methyl p
PASS	0 ppm	Propiconazole	PASS	20.00 ppm	Chloantraniliprole	PASS	40.00	Me
PASS	0 ppm			0.00 ppm	Chlorfenapyı	PASS	0.00 ppm	Мус
PASS	10000 ppm	Pyrethrin	PASS	1.00 ppm	Chlorpyrifos	PASS	0.00 ppm	
PASS	5000 ppm	Pyridaben	PASS	3.00 ppm	Clofentezine	PASS	0.50 ppm	
PASS	290 ppm	Spinetoram	PASS	3.00 ppm	Coumaphos	PASS	0.00 ppm	Paclo
PASS	5000 ppm	Spinosad	PASS	3.00 ppm	Cyfluthrin	PASS	1.00 ppm	Pe
PASS	3000 ppm	Spiromesifen	PASS	12.00 ppm	Cypermethrin	PASS	1.00 ppm	INSTRU
PASS	5000 ppm			13.00 ppm	Daminozide	PASS	0.00 ppm	potency
PASS	5000 ppm			0.00 ppm	Dichlorvos	PASS	0.00 ppm	terpene
PASS	890 ppm	Tebuconazole	PASS	2.00 ppm	Diazinon	PASS	0.20 ppm	solvents
PASS	2170 ppm	Thiacloprid	PASS	0.10 ppm	Dimethoate	PASS	0.00 ppm	
		Thiamethoxam	PASS	4.50 ppm	Etoxazole	PASS	1.50 ppm	mycotox
	PASS PASS PASS PASS PASS PASS PASS PASS	PASS OCFU PASS OCFU PASS OCFU PASS 10000CFU PASS 20 ppb PASS 20 ppb PASS 5000 ppm PASS 5000 ppm PASS 5000 ppm PASS 0 ppm PASS 0 ppm PASS 10000 ppm PASS 10000 ppm PASS 5000 ppm	PASS OCFU PASS OCFU PASS OCFU Cadmium Arsenic Cadmium PASS 10000CFU PASS 10000CFU PASS 20 ppb Lead Mercury PASS 20 ppb Mercury PASS 20 ppb Mercury PASS 5000 ppm Permethrin Phosmet PASS 5000 ppm Piperonylbutoxide Prallethrin Propiconazole Propiconazole PASS 0 ppm Propiconazole Propiconazole Propiconazole Propiconazole Propiconazole Pass 5000 ppm PASS 5000 ppm Spinetoram Spinosad Pass 3000 ppm Spirotetramat Spirotetramat Spiroxamine Tebuconazole Thiacloprid	PASS 0CFU Cadmium PASS 0CFU Cadmium PASS 0CFU Cadmium PASS 10000CFU Lead PASS 20 ppb Mercury PASS 20 ppb Mercury PASS 20 ppb PASS 20 ppb PASS 20 ppb PASS 5000 ppm PASS 410 ppm PASS 5000 ppm PASS 5000 ppm PASS 0 ppm PASS 0 ppm PASS 0 ppm PASS 10000 ppm PASS 10000 ppm PASS 10000 ppm PASS 5000 ppm	PASS OCFU PASS 0CFU PASS 0CFU PASS 0CFU PASS 10000CFU PASS 10000CFU PASS 20 ppb Arsenic PASS 500 ppb PASS 500 ppb PASS 20 ppb PASS 20 ppb Mercury PASS 300 ppb Mercury PASS 300 ppb PASS 20 ppb PASS 20 ppb Mercury PASS 300 ppb PASS 5000 ppm PASS 5000 ppm PASS 5000 ppm PASS 5000 ppm PASS 0 ppm PASS 10000 ppm PASS 10000 ppm PASS 5000	PASS 0CFU Cadmium PASS 500 ppb Acephate PASS 10000CFU Lead PASS 500 ppb Acephate PASS 20 ppb Mercury PASS 300 ppb Acetamipric PASS 20 ppb Mercury PASS 300 ppb Acetamipric Aldicart Azoxystrobir Bifenazate PASS 5000 ppm Phosmet PASS 0.20 ppm Boscalic PASS 5000 ppm Propiconazole PASS 0.40 ppm Propiconazole PASS 0.90 ppm Propiconazole PASS 0.00 ppm PASS 0.00 ppm Propiconazole PASS 0.00 ppm Daminozide PASS 0.00 ppm Dichlorvos Dichlorvos Dicazinor Dica	PASS 0CFU Cadmium PASS 500 ppb Acequinocyl PASS PASS 10000CFU Lead PASS 500 ppb Acequinocyl PASS 20 ppb Mercury PASS 300 ppb Acequinocyl PASS 20 ppb Acequinocyl PASS 20 ppb Acequinocyl PASS 20 ppb Acequinocyl PASS Acetamiprid PASS 20 ppb Acequinocyl PASS 20 ppb Acequinocyl PASS Acetamiprid PASS 20 ppb Acetamiprid PASS Acetamiprid PASS Acetamiprid PASS Acetamiprid PASS Acetamiprid PASS Acetamiprid PASS 20 ppb Acetamiprid PASS Ac	PASS 0CFU PASS 0CFU PASS 10000CFU PASS 20 ppb PASS 20 ppb PASS 20 ppb PASS 500 ppb PASS 500 ppb PASS 500 ppb PASS 20 ppb PASS 500 ppb PASS 5000 ppb PASS 5000 ppm

Trifloxystrobin PASS 30.00 ppm

0.07 | 0.20 | ±0.20mg

MSP-7.5.1.8 es PASS Fipronil 0.00 ppm Ionicamid **PASS** 2.00 ppm **PASS** 30.00 ludioxonil 2.00 ppm **PASS** xythiazox Imazalil **PASS** 0.00 ppm idacloprid **PASS** 3.00 ppm **PASS** 5.00 ppm Malathion **PASS** 15.00 Metalaxyl 0.00 ppm lethiocarb **PASS** 0.10 ppm **PASS** Methomyl parathion **PASS** 0.00 ppm **PASS** 0.00 ppm levinphos 9.00 ppm **PASS** clobutanil Naled **PASS** 0.50 ppm Oxamvl **PASS** 0.20 ppm 0.00 ppm lobutrazol **PASS PASS** 20.00 ermethrin RUMENTS

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:

Kyle Larson, MSc (Biology)
Deputy Director

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

5/28/2021 9:43 AM

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0.00 ppm

2.00 ppm

PASS

PASS

Fenoxycarb

Fenpyroximate





https://customer.a2la.org/index.cfm?event=directory.detail &labPID=423635B2-5128-4C6F-871A-419DCF43B0D7



Official Compliance: Colorado CERTIFICATE OF ANALYSIS

OTNAT1350

Batch ID or Lot Number: Reported: Test: 21208A **Microbial** 8/2/21 **Contaminants**

Test ID: Started: **USDA License:** Matrix:

Finished Product T000154680 7/29/21 N/A

Methods: Sampler ID: Status: Received:

TM25 (qPCR) 07/29/2021 @ 10:23 AM N/A N/A

> TM24, TM26, TM27(Culture Plating): Microbial (Colorado Panel)

MICROBIAL CONTAMINANTS DETERMINATION

Contaminant	Method	LOD LLOQ		ULOQ	Result	
Total Aerobic Count*	TM-26, Culture Plating	10^2 CFU/g	10^3 CFU/g	1.5x10^5 CFU/g	None Detected	
Total Coliforms*	TM-27, Culture Plating	10^2 CFU/g	10^2 CFU/g	1.5x10^4 CFU/g	None Detected	
Total Yeast and Mold*	TM-24, Culture Plating	10^2 CFU/g	10^2 CFU/g	1.5x10^4 CFU/g	None Detected	
E. coli (STEC)	TM-25, PCR	1 CFU/25 g	NA	NA NA		
Salmonella	TM-25, PCR	1 CFU/25 g	NA	NA	Absent	

Notes

Free from visual mold, mildew, and foreign matter

Branne Maillot

Brianne Maillot 8/2/2021 11:03:00 AM

Sarah Henning 8/2/2021 4:34:00 PM

PREPARED BY / DATE

APPROVED BY / DATE

Definitions

LOD = Limit of Detection | LLOQ = Lower Limit of Quantitation | ULOQ = Upper Limit of Quantitation CFU/g = Colony Forming Units per Gram | STEC = Shiga Toxin-Producing E. coli

* 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,





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