

## CERTIFICATE OF ANALYSIS

**PRODUCT NAME:** Certified Organic Joy Organics CBD Tincture - Natural

 PRODUCT STRENGTH:
 900 mg

 TINCTURE BATCH:
 21204A

 BEST BY DATE:
 01/23/2023

HEMP EXTRACT LOT: CO524-002

## \*Click on the links to view third-party reports\*

### Physical Atttributes

Test	Method	Specification	Results
Color	Joy Internal	Golden to Amber	PASS
Odor	Joy Internal	Characteristic - Olive and Hemp	PASS
Appearance	Joy Internal	Golden to Amber oil in brown glass bottle with dropper.	PASS
Primary Package Eval.	Joy Internal	Container clean and free of filth. Container caps tight and shrink bands intact	PASS
Secondary Package Eval.	ary Package Eval. Joy 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	900-1,125 mg CBD LOQ**: 10 ppm† (0.001%)	963.7 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	Below LOQ	PASS	
Microbial Salmonella	PCR	Complies with CDPHE 6 CCR 1010-21 - LOQ 1 CFU/25 gram	Below LOQ	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 I0/2=100 CFU 10/3=10,000 CFU

Quality Certified

Kayla Kolber

07/30/2021

Date



certificate ID

1ET43

#### C0524-002

### 7USC1639 Certificate of Analysis

5/24/2021 man date

total 1035.6mg cannabinoids

30mL per

THC‡ CBD<sup>‡</sup> 963.7mg terpenes This Product Has Been **Tested and Complies** with 7USC1639o(1)

## Stillwater Laboratories

infused

MSP-7.5.1.6

order 10848

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

test tag S1HYR 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 S1HYR

caryophyllene humulene terpinolene beta pinene

alpha pinene limonene

error (95%Cl k=2)

limit

limit

20.00 ppm

0.20 ppm

8.00 ppm

0.40 ppm

0.00 ppm

1.00 ppm

3.00 ppm

3.00 ppm

3.00 ppm

12.00 ppm

13.00 ppm

0.00 ppm

2.00 ppm

0.10 ppm

4.50 ppm

30.00 ppm

20.00 ppm

myrcene linalool

MSP-7.5.1.6

limit

Terpenes



Potency per 30mL

total CBD‡ 963.7mg 0.08 | 0.25 | ±16.65mg total CBD (CBD+CBDa) 963.7mg 0.08 | 0.25 | ±16.65mg tetrahydrocannabolic acid (THCa) ND 0.08 | 0.25 | ±0.25mg Δ9-tetrahydrocannabinol (Δ9 THC) ND 0.08 | 0.24 | ±0.24mg 0.11 | 0.32 | ±0.32mg Δ8-tetrahydrocannabinol (Δ8 THC) ND tetrahydrocannabivarin (THCv) ND 0.09 | 0.26 | ±0.26mg ND cannabidiolic acid (CBDa) 0.07 | 0.22 | ±0.22mg 963.7mg cannabidiol (CBD) 0.08 | 0.25 | ±16.65mg cannabidivarin (CBDv) ND 0.08 | 0.25 | ±0.25mg cannabigerolic acid (CBGa) ND 0.07 | 0.22 | ±0.22mg .9mg cannabigerol (CBG) 0.02 | 0.07 | ±1.29mg cannabinol (CBN) ND 0.05 | 0.14 | ±0.14mg cannabichromene (CBC) ND 0.08 | 0.25 | ±0.25mg

5000 ppm

5000 ppm

10000 ppm

5000 ppm

290 ppm

5000 ppm

3000 ppm

5000 ppm

5000 ppm

890 ppm

2170 ppm

410 ppm

0 ppm

0 ppm

0 ppm

MSP-7 5 1 4

Metals

**Pesticides** 

Piperonylbutoxide

LOD

LOQ

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

Pesticides

Microbial MSP-7.5.1.10 limit E.coli PASS 0CFU Salmonella sp. **PASS** 0CFU molds PASS 10000CFU Ochratoxin A PASS 20 ppb Aflatoxin PASS 20 ppb Solvents MSP-7.5.1.7 limit

Acetone PASS

Benzene PASS

Butane PASS

Ethanol PASS

Heptane PASS

Hexane PASS

Methanol PASS

Pentane PASS

Propane PASS

Toluene PASS

Xylenes PASS

Acetonitrile PASS

Chloroform PASS

Cyclohexane PASS

Isopropyl alcohol PASS

MSP-7.5.1.11 Arsenic PASS 1500 ppb Cadmium PASS 500 ppb Lead PASS 500 ppb Mercury PASS 300 ppb

MSR-7.5.1.8

**PASS** 

**PASS** 

**PASS** 

Permethrin PASS

Phosmet PASS

Prallethrin PASS

Propoxur PASS

Pyrethrin PASS

Pyridaben PASS

Spinosad PASS

Spiromesifen PASS

Spirotetramat PASS

Spiroxamine PASS

Tebuconazole PASS

Thiamethoxam PASS

Trifloxystrobin PASS

Thiacloprid

Propiconazole PASS

Spinetoram

Pesticides MSP-7.5.1.8 Abamectin PASS 0.30 ppm Acephate **PASS** 5.00 ppm Acequinocyl **PASS** 4.00 ppm PASS 5.00 ppm Acetamiprid Aldicarb **PASS** 0.00 ppm **PASS** Azoxystrobin **PASS** Bifenazate **PASS** Bifenthrin Boscalid **PASS** 

40.00 5.00 ppm 0.50 ppm 10.00 0.30 ppm **PASS** Carbaryl Carbofuran **PASS** 0.00 ppm **PASS** 40.00 Chloantraniliprole 0.000 ppm **PASS** Chlorfenapyr Chlorpyrifos **PASS** 0.00 ppm **PASS** 0.50 ppm Clofentezine Coumaphos **PASS** 0.00 ppm **PASS** 1.00 ppm Cyfluthrin **PASS** 1.00 ppm Cypermethrin **PASS** 0.00 ppm Daminozide **PASS** 0.00 ppm Dichlorvos

**PASS** 0.20 ppm Diazinon 0.00 ppm Dimethoate **PASS PASS** 1.50 ppm Etoxazole **PASS** 0.00 ppm Fenoxycarb

**PASS** 

PASS 0.00 ppm Fipronil Flonicamid **PASS** 2.00 ppm Fludioxonil **PASS** 30.00 2.00 ppm PASS Hexythiazox Imazalil **PASS** 0.00 ppm Imidacloprid **PASS** 3.00 ppm **PASS** 5.00 ppm Malathion **PASS** 15.00 Metalaxyl mqq 000.0 Methiocarb **PASS** 0.10 ppm **PASS** Methomyl Methyl parathion **PASS** 0.00 ppm **PASS** 0.00 ppm Mevinphos 9.00 ppm **PASS** Myclobutanil Naled **PASS** 0.50 ppm **PASS** 0.20 ppm Oxamyl 0.00 ppm Paclobutrazol **PASS** 20.00 Permethrin PASS

MSP-7.5.1.8

INSTRUMENTS potency: HPLC (LC2030C-UV) ternenes: 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

6/1/2021 12:20 PM

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Fenpyroximate



2.00 ppm





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



# **Official Compliance: Colorado**

### CERTIFICATE OF ANALYSIS

### **OTNAT900**

Batch ID or Lot Number: Test: Reported: 21204A **Microbial** 7/29/21

**Contaminants** 

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

**Finished Product** T000153789 7/26/21 N/A

Received: Sampler ID: Status: Methods:

TM25 (gPCR) 07/26/2021 @ 10:10 AM N/A N/A TM24, TM26, TM27(Culture Plating):

Microbial (Colorado Panel)

### MICROBIAL CONTAMINANTS DETERMINATION

Contaminant	Method	LOD	LLOQ	ULOQ	Result	Notes
Total Aerobic Count*	TM-26, Culture Plating	10^2 CFU/g	10^3 CFU/g	1.5x10^5 CFU/g	None Detected	Free from visual mold,
Total Coliforms*	TM-27, Culture Plating	10^2 CFU/g	10^2 CFU/g	1.5x10^4 CFU/g	None Detected	mildew, and foreign matter
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	Absent	
Salmonella	TM-25, PCR	1 CFU/25 g	NA	NA	Absent	

Broanne Maillot

**Brianne Maillot** 7/29/2021 4:05:00 PM

Louiting Richolds

**Courtney Richards** 7/29/2021 4:28:00 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.

10^2 = 100 CFU Examples:

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.



