

CERTIFICATE OF ANALYSIS

PRODUCT NAME:

PRODUCT STRENGTH:

Certified Organic Joy Organics CBD Tincture - Lemon

1350 mg / Bottle

 PRODUCT STRENGTH:
 1350 mg / Bottle

 TINCTURE BATCH:
 22062B

 BEST BY DATE:
 09/03/2023

 HEMP EXTRACT LOT:
 CO222-001

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 - Coconut and Hemp, Lemon	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. Joy Interna		Labeling Compliance Checked, Cartons sturdy and clean. Sufficient cushion material exists. Box taped and secure.	PASS

Review of Third-Party Analysis

Panel	Method	d Specification Resu		Pass/Fail
Potency - Total CBD	HPLC-UV DAD	*NLT (product strength) mg / bottle	1445.1 mg	PASS
Potency - D9-THC	HPLC-UV DAD	LOQ: <0.01% THC (Broad Spectrum)	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		PASS
Mycotoxins	ICP-MS	Total Aflatoxins <20 ppb† Afltoxin B1 < 20 ppb Ochratoxin < 20 ppb	ND	PASS
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 *Nothing Less Than 10^2=100 CFU 10^3=1,000 CFU

Quality Certified Keegan Schlittler

Keegan Schlittler

03/08/2021

Quality Assurance Manager

Date



certificate ID

1BS31

C0222-001

7USC1639 Certificate of Analysis

man. date 2/22/2021

total cannabinoids 1562.0mg per 30 mL

THC total ND

CBD total 1445.1m

terpenes

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

MSP-7 5 1 6

Stillwater Laboratories

MIP

MSP-7.5.1.6

limit

0.00 ppm 2.00 ppm 30.00 2.00 ppm 0.00 ppm 3.00 ppm 5.00 ppm 15.00 87.00 ppm 0.10 ppm 0.00 ppm 0.00 ppm 9.00 ppm 0,50 ppm 0.20 ppm 0.00 ppm 20.00

order 9903

analysis date 2/22/2021 5:32:07 PM

test tag S1BWO

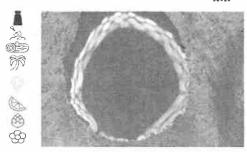
sample wgt

Inspection MSP-7.5.1.2

DESCRIPTION: Concentrate sample received in a client-labeled bottle, collected at dispensary/grow. 1 and sample tag S1BWO.

caryophyllene humulene terpinolene ocimene beta pinene alpha pinene limonene myrcene linalool

Terpenes



LOQ (95%Cl k=2) Potency per 30 mL MSP-7.5.1.4 LOD tetrahydrocannabolic acid (THCa) ND 0.07 | 0.22 | ±0.22mg Δ9-tetrahydrocannabinol (Δ9 THC) ND 0.07 | 0.21 | ±0.21mg Δ8-tetrahydrocannabinol (Δ8 THC) ND 0.09 | 0.28 | ±0.28mg ND tetrahydrocannabivarin (THCv) 0.08 | 0.23 | ±0.23mg cannabidiolic acid (CBDa) ND 0.06 | 0.19 | ±0.19mg cannabidiol (CBD) 1445.1mg 0.07 | 0.22 | ±24.61mg 0.07 | 0.22 | ±0.28mg cannabidivarin (CBDv) 3.6mg cannabigerolic acid (CBGa) NĎ 0.07 | 0.20 | ±0.20mg 0.04 | 0.13 | ±1.50mg 81.3mg cannabigerol (CBG) cannabinol (CBN) ND 0.04 | 0.12 | ±0.12mg cannabichromene (CBC) 32.0mg 0.07 | 0.22 | ±0.76mg

‡ = decarbed NT = not tested NL = no limit, ND = not detected, LOD = detection limit . LOQ = quantilation limit											
Microbial	MSP-7 5 1 1	0 limit	Metals м	SP-7_5_1.1	1 = limit	Pesticides	MSP-7,5,1.8	limit	Pesticides	MSP-7,5,1.8	3 limit
1	E.coli PASS	0CFU	Arsenic	PASS	1500 ppb	Abamectin	PASS	0.30 ppm	Fipronil	PASS	0.00 p
	la sp. PASS	0CFU	Cadmium		500 ppb	Acephate	PASS	5.00 ppm	Flonicamid	PASS	2.00 p
	nolds PASS	10000CFU		PASS	500 ppb	Acequinocyl		4.00 ppm		PASS	30.00
Ochrato	xin A PASS	20 ppb	Mercury	PASS	300 ppb	Acetamiprid		5.00 ppm	Hexythiazox	PASS	2.00 p
			•			Aldicarb	PASS	0.00 ppm		PASS	0.00 p
Allo	ILOXIII I AGG	го ррг				Azoxystrobin	PASS	40.00	Imidacloprid	PASS	3.00 p
Solvents	MSP-7.5 1.7	limit 🖟	Pesticides N	ISP-7 5.1 8	3 limit	Bifenazate	PASS	5.00 ppm		PASS	5.00 p
Ace	etone PASS	5000 ppm ÷	Permethrin	PASS	20.00 ppm	Bifenthrin	PASS	0.50 ppm	Metalaxyl	PASS	15.00
	nitrile PASS	410 ppm	Phosmet		0.20 ppm	Boscalid	PASS	10,00	Methiocarb	PASS	q 500.5
Ben	zene PASS	0 ppm	Piperonylbutoxide		8,00 ppm	Carbaryl	PASS	8.30 ppm	Methomyl	PASS	0.10 p
Bı	utane PASS	5000 ppm	Prallethrin		0.40 ppm	Carbofuran	PASS	0.00 ppm	Methyl parathion	PASS	0.00 p
Chlore	oform PASS	0 ppm	Propiconazole	PASS	20.00 ppm	Chloantraniliprole	PASS	40.00	Mevinphos	PASS	0.00 p
Cyclohe	exane PASS	0 ppm	Propoxur	PASS	0.00 ppm	Chlorfenapyr	PASS	0.00 ppm	Myclobutanil	PASS	9.00 p
Eti	hanol PASS	10000 ppm	Pyrethrin	PASS	1.00 ppm	Chlorpyrifos	PASS	0.00 ppm	Naled	PASS	0,50 p
Hep	ptane PASS	5000 ppm	Pyridaben	PASS	3.00 ppm	Clofentezine	PASS	0.50 ppm	Oxamyl	PASS	0.20 p
He	exane PASS	290 ppm	Spinetoram	PASS	3.00 ppm	Coumaphos	PASS	0.00 ppm	Paclobutrazol	PASS	0.00 p
Isopropyl ale	cohol PASS	5000 ppm	Spinosad	PASS	3.00 ppm	Cyfluthrin	PASS	1.00 ppm	Permethrin	PASS	20.00
Meti	hanol PASS	3000 ppm	Spiromesifen	PASS	12.00 ppm	Cypermethrin	PASS	1.00 ppm	INSTRUMENTS		0.000
Per	ntane PASS	5000 ppm	Spirotetramat	PASS	13.00 ppm	Daminozide	PASS	0.00 ppm	potency: HPLC (LC	2030C-UV)	
Pro	pane PASS	5000 ppm	Spiroxamine	PASS		Dichlorvos	PASS	0.00 ppm	terpenes: GCMS (Q		
		890 ppm	Tebuconazole	PASS	2.00 ppm	Diazinon	PASS	0.20 ppm	*		
Xy	lenes PASS	2170 ppm	Thiacloprid	PASS	0.10 ppm	Dimethoate	PASS	0.00 ppm			
			Thiamethoxam	PASS		Etoxazole	PASS	1.50 ppm	miorobioli aCCD /A		
			Trifloxystrobin	PASS	30.00 ppm	Fenoxycarb		0.00 ppm	metals: ICPMS (ICP		
						Голомиония		2 00 555			

SECURITY FEATURE: WATERMARK MUST MATCH CERTIFICATE ID AND ISSUE DATE

Certified by:

Justin M Johnston Deputy Director

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

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Fenpyroximate



2.00 ppm

PASS



ISO/IEC 17025:2017



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



Official Compliance: Colorado

CERTIFICATE OF ANALYSIS

Prepared for:

JOY ORGANICS OTL1350

Batch ID or Lot Number: Test: Reported: Location: 5042 Technology Parkway Ste. 50

Microbial 3/7/22 FT. COLLINS, CO 80528 **Contaminants**

USDA License: Test ID: Started: Matrix:

Finished Product T000196437 3/4/22 N/A

Methods: Sampler ID: Status: Received:

TM25 (qPCR) N/A 03/04/2022 @ 09:38 AM N/A

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

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	10^1 CFU/g	10^2 CFU/g	1.5x10^4 CFU/g	None Detected	
Total Yeast and Mold*	TM-24, Culture Plating	10^1 CFU/g	10^2 CFU/g	1.5x10^4 CFU/g	None Detected	
STEC	TM-25, PCR	10^0 CFU/25 g	NA	NA	Absent	
Salmonella	TM-25, PCR	10^0 CFU/25 g	NA	NA	Absent	

Notes

Free from visual mold, mildew, and foreign matter

Eden Thompson

Eden Thompson-Wright 3/7/2022 4:10:00 PM

Jackson Osaghae-Nosa 3/7/2022 4:32:00 PM

APPROVED BY / DATE

PREPARED BY / DATE

Definitions

22062B

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,



