# CERTIFICATE OF ANALYSIS

PRODUCT NAME: Full Spectrum CBD Vape Oil in Cartridge

 PRODUCT STRENGTH:
 500 mg CBD

 LOT NUMBER:
 B1104-001

 BEST BY DATE:
 06/03/2022

BEST BY DATE: 06/03/2022
BULK OIL LOT NUMBER: B1104-001

### \*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	N/A	PASS
Appearance	SOP-100	Golden to amber liquid with light pine scent with hint of citrus	PASS
Primary Package Eval.	SOP-132	Container is clean on the outside can cap screwed on tight. No cracks or breaks.	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	500-625 mg CBD LOQ**: 10 PPM† (0.001%)	544.7 mg	PASS	
Potency - D9-THC	SOP-111	Critical Limit: .3% (0.001%-0.3%)	.2%	PASS	
Compliant Pesticide Panel	SOP-111	WIP-10008 : Product Specification for Vape, Oregon Action Limits apply	ND	PASS	
Microbial - Stec E.Coli	SOP-111	Complies with USP 61/62	BELOW LOD	PASS	
Microbial - Salmonella	SOP-111	Complies with USP 61/62	BELOW LOD	PASS	
Microbial - Yeast/Mold	SOP-111	Complies with USP 61/62	BELOW LOD	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	

<sup>\*</sup> Level of Quantitation, † Parts Per Million

Quality Certified by: Kei Horikawa

Kei Horikawa Date

03/01/2021

Quality Control Manager



certificate ID

**0MK49** 

#### Vape B1104-001

#### **7USC1639 Certificate of Analysis**

total cannabinoids

644.6mg

per gram

THC‡ 1.8mg CBD‡ 544.7mg terpenes ND

(95%Cl k=2)

0.20 | 0.61 | ±0.61mg

0.19 | 0.57 | ±0.61mg

0.26 | 0.77 | ±0.77mg

0.21 | 0.64 | ±0.64mg

0.18 | 0.53 | ±0.53mg

0.20 | 0.60 | ±0.60mg

0.18 | 0.54 | ±0.54mg

0.22 | 0.65 | ±1.29mg

0.11 | 0.33 | ±0.89mg

0.20 | 0.60 | ±1.32mg

0.20 | 0.60 | ±11.25mg

Stillwater Laboratories

order 9197

analysis date 12/11/2020 1:58:16 PM

test tag B1104-001

sample wgt 1.0 g

Inspection MSP-7.5.1.2

Potency per gram

cannabidiol (CBD)

tetrahydrocannabolic acid (THCa)

Δ9-tetrahydrocannabinol (Δ9 THC)

Δ8-tetrahydrocannabinol (Δ8 THC)

tetrahydrocannabivarin (THCv)

cannabidiolic acid (CBDa)

cannabigerolic acid (CBGa)

cannabichromene (CBC)

cannabidivarin (CBDv)

cannabigerol (CBG)

cannabinol (CBN)

DESCRIPTION: Vape cartridge sample (1g) received in a client-labeled plastic bag, by commercial courier. 1 and sample tag B1104-001

caryophyllene humulene terpinolene ocimene beta pinene alpha pinene limonene myrcene linalool





α-bisabolol ND

camphene ND

Terpenes



a-terpenine ND

γ-terpenine ND

linalool ND Δ3-carene ND β-myrcene ND caryophyllene oxide ND D-limonene ND para-cymene ND a-pinene ND eucalyptol ND β-pinene ND geraniol ND guaiol ND ocimene ND terpinolene ND isopulegol ND a-humulene ND cis-nerolidol ND β-caryophyllene ND trans-nerolidol ND

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

MSP-7.5.1.4

ND

ND

ND

ND

ND

ND

544.7mg

32.4mg

28.9mg

36.9mg

1.8mg

Microbial MSP-7.5.1	.10 limit	Metals M	SP-7.5.1.1	1 limit	Pesticides	MSP-7.5.1.8	limit	Pesticides	MSP-7.5.1.8	limit)
E coli PASS	0CFU	Arsenic	PASS	1500 ppb	Daminozide	PASS	0.0 ppm	Piperonylbutoxide	PASS	8.0 ppm
Salmonella sp. PASS	0CFU	Cadmium	PASS	500 ppb	Dichlorvos	<b>PASS</b>	0.0 ppm	Prallethrin	<b>PASS</b>	0.4 ppm
molds PASS	10000CFU	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 PASS	/\\'\	11\/IK 49 (			Etoxazole	PASS	1.5 ppm	Pyrethrin	PASS	1.0 ppm
		/			Fenoxycarb	PASS	0.0 ppm	Pyridaben	PASS	3.0 ppm
Solvents MSP-7.5.1	.7 limit	Pesticides	ISP-7.5.1.8	8 limit	Fenpyroximate	<b>PASS</b>	2.0 ppm	Spinetoram	<b>PASS</b>	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		5.0 ppm	Flonicamid	PASS	2.0 ppm	Spiromesifen	PASS	12.0 ppm
Benzene PASS		Acequinocyl		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		0.4 ppm	Imazalil	PASS	0.0 ppm	Tebuconazole	<b>PASS</b>	2.0 ppm
Cyclohexane PASS	0 ppm	Azoxystrobin		40.0 ppm	Imidacloprid	PASS	3.0 ppm	Thiacloprid	PASS	0.1 ppm
Ethanol PASS		Bifenazate		5.0 ppm	Malathion	PASS	5.0 ppm	Thiamethoxam	<b>PASS</b>	4.5 ppm
Heptane PASS	5000 ppm	Bifenthrin	PASS	0.5 ppm	Metalaxyl	PASS	15.0 ppm	Trifloxystrobin	PASS	30.0 ppm
Hexane PASS		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 PASS		Carbofuran		0.0 ppm	Methyl parathion	PASS	0.0 ppm	INICTOLIMENTS		
					7/0000			INSTRUMENTS		

SECURITY FEATURE: WATERMARK MUST MATCH CERTIFICATE ID AND ISSUE DATE

40.0 ppm

0.0 ppm

0.0 ppm

0.5 ppm

0.5 ppm

1.0 ppm

1.0 ppm

Certified by

Pentane PASS

Propane PASS

Toluene PASS

Xylenes PASS

5000 ppm

5000 ppm

890 ppm

2170 ppm

Kyle Larson, MSc (Biology) Deputy Director

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Chloantraniliprole PASS

Chlorfenapyr PASS

Chlorpyrifos PASS

Clofentezine PASS

Coumaphos PASS

Cypermethrin PASS

Cyfluthrin PASS

1/20/2021 2:58 PM

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Mevinphos

Naled

Phosmet PASS

Oxamyl

Myclobutanil

Paclobutrazol

Permethrin

**PASS** 

**PASS** 

**PASS** 

**PASS** 

PASS

**PASS** 



0.0 ppm

9.0 ppm

0.5 ppm

0.2 ppm

0.0 ppm

20.0 ppm

0.2 ppm



INSTRUMENTS

potency: HPLC (LC2030C-UV)

terpenes: GCMS (QP2020/HS20)

solvents: GCMS (QP2020/HS20)

pesticides: LCMSMS (LC8060)

mycotoxins: LCMSMS (LC8060)

metals: ICPMS (ICPMS-2030)

microbial: qPCR (AriaMx) and plating



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

## **CONFIDENTIAL MANUFACTURER**

This is an internal report from a contract manufacturer, information surrounding the identity of the manufacturer is proprietary.

### **Certificate of Quality Assurance**

Product Name: CBD Vape Cartridges

Lot #: 120320JOV1 Batch #: 120320JOV

Date of Manufacture: 12/03/20

Active Ingredients: THC-Free Phytocannabinoid-Rich Crystal Resistant Distillate

Inactive Ingredients: N/A

Attributes	Acceptance Criteria	Results	Test Method
Appearance	Golden color, good clarity	Conforms	QC0002
Odor	Scent of hemp terpenes; earthy	Conforms	QC0002
Color	Golden, light amber	Conforms	QC0002
Dissolution	Oil is homogenous. Good clarity and not cloudy	Conforms	QC0002
Cannabinoid Content	Target Potency: 500mg CBD/g	544.6mg CBD/g Conforms	HPLC
Microbial Testing	Total Aerobic Count <2000 CFU	<loq Conforms</loq 	QC0003

Package	Acceptance Criteria	Results
Primary Package	Cartridge is clean on the outside and white tapered mouthpiece is screwed on tightly. No cracks or breaks	Conforms
Secondary Package	Sturdy and clean. Not ripped, punctured, or torn	Conforms

Prepared by: Sound Thomas Reviewed by: Zach Bosier