

Cannabis Analytics and Research Specialists

WSLCB License # 0003 | 14797 NE 95th St, Redmond, WA 98052 | (206) 743-8843 | info@conflabs.com Certified For: Cannabinoids | Microbiologicals | Mycotoxins | Foreign Matter | Moisture | Terpenes | Residual Solvents | Pesticides

**Research and Development Certificate of Analysis** 

#### Official Test Results for Laboratory Sample # 7111629

**UBI #:** N/A Origination: Apothecary Rx Inventory #: 20201120RB001

Strain: Orange Champagne CBG License #: N/A QA #: 20201120RB001

Harvest Date: Unknown Type: Flower

Address: 4920 Atlanta Highway Date of Receipt: 2020-11-20 Approved By: T. Sasaki, Ph.D., CSO

Alpharetta, GA 30004 Date of Testing: S. Stevens, LDR



#### PASS/FAIL

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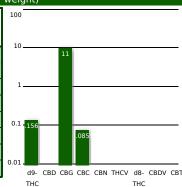
#### **Shelf Stability**

Loss-On-Drying NE Water Activity: NE

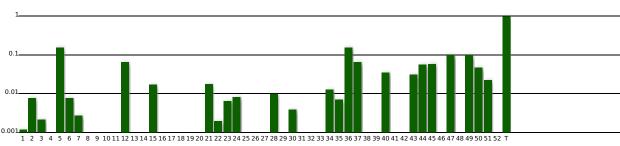
### Cannabinoid Profile (units of measure are by weight)

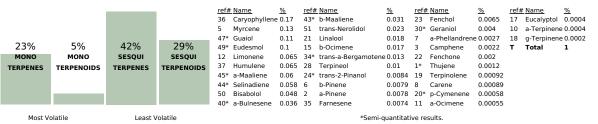
	HC max 0.156% .56mg/	-	CBD max Not Detected			
	% mg/g			%	mg/g	
THCA	0.138	1.38	d9-THC	0.0346	0.346	
CBDA	ND	ND	CBD	ND	ND	
CBGA	12.3	123	CBG	0.174	1.74	
СВС	0.0855	0.855	CBN	ND	ND	
THCVA	ND	ND	THCV	ND	ND	
CBDVA	ND	ND	CBDV	ND	ND	
СВТ	ND	ND	d8-THC	ND	ND	

Total Cannabinoids (raw sum): 12.8%, 128mg/g



Terpene Fingerprint (units in percent by weight)





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 $THCmax(a.k.a.\ Total\ THC) = d9-THC + (THC-A*0.877)$ CBDmax (a.k.a. Total CBD) = CBD + (CBD-A \* 0.877) Total Cannabinoid is a raw sum of all measured cannabinoids In Traceability, Total Cannabinoid is a sum of THCmax and CBDmax Figures may differ slightly from traceability due to rounding

ND = Not Detected NF = Not Fxamined Unk = Unknown 2020-11-23 10:55 Analytical Methods Used Cannabinoids: HPI C-UV Microbial: Plate Counting Terpenes: HS-GC-FID Solvents: HS-GC-MS

Trace Residue: UHPLC-MSMS Water Activity: HYGROMER®

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Strain: Orange Champagne CBG License #: N/A QA #: 20201120RB001

Type: Flower Harvest Date: Unknown

Address: 4920 Atlanta Highway Date of Receipt: 2020-11-20 Approved By: T. Sasaki, Ph.D., CSO

Alpharetta, GA 30004 **Date of Testing:** 2020-11-22 S. Stevens, LDR



## **Quantitative Impurities Report**

Concentrations of analytes used to determine pass/fail status of individual tests.

\* Greater than lower limit of detection (>LLOD) and less than lower limit of quantification (<LLOQ). Applies to instances when the analyte has been detected and positively identified, but the concentration is lower than we can accurately quantify. Literally: signal to noise ratio greater than 3 and signal less than calibration. LLOD is ~0.001 ppm for most analytes, LLOQ is ~0.01 for most analytes. Number shown is lower end of calibration (LLOQ).

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## **Findings**

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2020-11-23 10:55

Analytical Methods Used Cannabinoids: HPLC-UV Microbial: Plate Counting Terpenes: HS-GC-FID Solvents: HS-GC-MS Trace Residue: UHPLC-MSMS Water Activity: HYGROMER®





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**Research and Development Certificate of Analysis** 

### Official Test Results for Laboratory Sample # 8012384

Origination: Apothecary Rx UBI #: Inventory #: 210123BS004

Strain: Orange Champagne License #: QA #: 210123BS004

Type: Flower Harvest Date: Unknown

Address: 4920 Atlanta Highway Date of Receipt: 2021-01-23 Approved By: N. Mosely, CEO

Alpharetta, GA 30004 Date of Testing: 2021-01-23 S. Stevens, LDR



#### PASS/FAIL

#### **Chemical Profile** (units in percent by weight)

Foreign Matter+Seeds PASS
LossOnDrying(Moisture) NE
Water Activity NE
Microbiological NE
Mycotoxins PASS
Pesticides PASS

CANNABINOIDS NOT EXAMINED CANNABINOIDS NOT EXAMINED

### **Shelf Stability**

Loss-On-Drying NE Water Activity: NE

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#### Findings

ALKANES NOT EXAMINED

SOLVENT IMPURITIES NOT EXAMINED

ALCOHOLS NOT EXAMINED

**MYCOTOXINS** 

MICROBIOLOGICALS NOT EXAMINED

**Analyte** Concentration Action Level\* Aflatoxin B1 < LLOO 20 ppb < LLOO 20 ppb Aflatoxin B2 Aflatoxin G1 < LLOO 20 ppb Aflatoxin G2 < LLOQ 20 ppb 20 ppb < LLOO Ochratoxin A \*Action Level is Sum of Aflatoxins

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Trace Residue: UHPLC-MSMS Water Activity: HYGROMER® Page 2 of 4







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#### **Chemical Residue Screen**

#### Official Test Results for Laboratory Sample # 8012384

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Strain: Orange Champagne License #: QA #: 210123BS004

Type: Flower Harvest Date: Unknown

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Alpharetta, GA 30004 **Date of Testing:** 2021-01-23 S. Stevens, LDR



### Chemical Residue Screen - Test Report

Cannabis samples were homogenized and extracted using a custom protocol. Instrumental analysis was performed with UHPLC-MS/MS (tandem quadrupole). Target compounds were identified by matching to Certified Reference Materials. Ion-selective detection (multiple reaction monitoring, or MRM) was used to ensure that precursor and product ions of the correct masses co-eluted and were observed in ratios matching those for the reference materials.



Dozens of compounds representing many different classes of fungicides, herbicides, and plant growth regulators were screened for. This document lists all analytes detected in the Chemical Residue Screen.

#### **Findings**

Analyte Name	CAS#	Amount In Sample	PASS/FAIL	WA State Action Level	Analyte Name	CAS#	Amount In Sample	PASS/FAIL	WA State Action Level
(sum) Spinosads	NA	NOT DETECTED	PASS	0.20 ppm	Diazinon	333-41-5	NOT DETECTED	PASS	0.20 ppm
(sum) Permethrins	NA	NOT DETECTED	PASS	0.20 ppm	Dichlorvos	62-73-7	NOT DETECTED	PASS	0.10 ppm
Abamectin B1a	71751-41-2	NOT DETECTED	PASS	0.50 ppm	Dimethoate	60-51-5	NOT DETECTED	PASS	0.20 ppm
Acephate	30560-19-1	NOT DETECTED	PASS	0.40 ppm	Ethoprophos	13194-48-4	NOT DETECTED	PASS	0.20 ppm
Acetamiprid	135410-20-7	NOT DETECTED	PASS	0.20 ppm	Etofenprox	80844-07-1	NOT DETECTED	PASS	0.40 ppm
Aldicarb	116-06-3	NOT DETECTED	PASS	0.40 ppm	Etoxazole	153233-91-1	NOT DETECTED	PASS	0.20 ppm
Azoxystrobin	131860-33-8	NOT DETECTED	PASS	0.20 ppm	Fenoxycarb	72490-01-8	NOT DETECTED	PASS	0.20 ppm
Bifenazate	149877-41-8	NOT DETECTED	<b>PASS</b>	0.20 ppm	Fenpyroximate	134098-61-6	NOT DETECTED	<b>PASS</b>	0.40 ppm
Bifenthrin	82657-04-3	NOT DETECTED	<b>PASS</b>	0.20 ppm	Fipronil	120068-37-3	NOT DETECTED	<b>PASS</b>	0.40 ppm
Boscalid	188425-85-6	NOT DETECTED	PASS	0.40 ppm	Flonicamid	158062-67-0	NOT DETECTED	PASS	1.00 ppm
Carbaryl	63-25-2	NOT DETECTED	<b>PASS</b>	0.20 ppm	Fludioxonil	131341-86-1	NOT DETECTED	<b>PASS</b>	0.40 ppm
Carbofuran	1563-66-2	NOT DETECTED	<b>PASS</b>	0.20 ppm	Hexythiazox	78587-05-0	NOT DETECTED	<b>PASS</b>	1.00 ppm
Chlorantraniliprole	500008-45-7	NOT DETECTED	<b>PASS</b>	0.20 ppm	Imazalil	35554-44-0	NOT DETECTED	<b>PASS</b>	0.20 ppm
Chlormequat	7003-89-6	NOT DETECTED	<b>PASS</b>	0.10 ppm	Imidacloprid	138261-41-3	NOT DETECTED	<b>PASS</b>	0.40 ppm
Chlorpyrifos	2921-88-2	NOT DETECTED	PASS	0.20 ppm	Kresoxim-methyl	l 143390-89-0	NOT DETECTED	PASS	0.40 ppm
cis-Permethrin	52645-53-1	NOT DETECTED	<b>PASS</b>	0.20 ppm	Malathion	121-75-5	NOT DETECTED	<b>PASS</b>	0.20 ppm
Clofentezine	74115-24-5	NOT DETECTED	<b>PASS</b>	0.20 ppm	Metalaxyl	57837-19-1	NOT DETECTED	<b>PASS</b>	0.20 ppm
Daminozide	1596-84-5	NOT DETECTED	PASS	1.00 ppm	Methiocarb	2032-65-7	NOT DETECTED	PASS	0.20 ppm

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#### **Findings**

Analyte Name	CAS#	Amount In Sample	PASS/FAIL	WA State Action Level
Methomyl	16752-77-5	NOT DETECTED	PASS	0.40 ppm
Myclobutanil	88671-89-0	NOT DETECTED	<b>PASS</b>	0.20 ppm
Naled	300-76-5	NOT DETECTED	<b>PASS</b>	0.50 ppm
Oxamyl	23135-22-0	NOT DETECTED	<b>PASS</b>	1.00 ppm
Paclobutrazol	76738-62-0	NOT DETECTED	<b>PASS</b>	0.40 ppm
Phosemet (Imidan)	732-11-6	NOT DETECTED	<b>PASS</b>	0.20 ppm
Piperonyl Butoxide	51-03-6	NOT DETECTED	NA.	$N\!A$
Prallethrin	23031-36-9	NOT DETECTED	<b>PASS</b>	0.20 ppm
Propiconazole	60207-90-1	NOT DETECTED	<b>PASS</b>	0.40 ppm
Propoxur	114-26-1	NOT DETECTED	<b>PASS</b>	0.20 ppm
Pyrethrin I	8003-34-7	NOT DETECTED	NA	$N\!A$
Pyridaben	96489-71-3	NOT DETECTED	<b>PASS</b>	0.20 ppm
Spinosad A	168316-95-8	NOT DETECTED	<b>PASS</b>	0.20 ppm
Spinosad D	168316-95-9	NOT DETECTED	<b>PASS</b>	0.20 ppm
Spiromesifen	283594-90-1	NOT DETECTED	<b>PASS</b>	0.20 ppm
Spirotetramat	203313-25-1	NOT DETECTED	PASS	0.20 ppm
Spiroxamine	118134-30-8	NOT DETECTED	<b>PASS</b>	0.40 ppm
Tebuconazole	80443-41-0	NOT DETECTED	PASS	0.40 ppm

Analy	te Name	CAS#	Amount In Sample	PASS/FAIL	WA State Action Level
Thia	cloprid	111988-49-9	NOT DETECTED	D PASS	0.20 ppm
Thiar	nethoxam	153719-23-4	NOT DETECTE	D <b>PASS</b>	0.20 ppm
trans	-Permethrin	52645-53-2	NOT DETECTE	D PASS	0.20 ppm
Trifle	oxystrobin	141517-21-7	NOT DETECTE	D PASS	0.20 ppm
Unic	onazole	83657-22-1	NOT DETECTE	D <b>PASS</b>	0.10 ppm

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## **Medicine Creek Analytics Certificate of Analysis**

3700 Pacific HWY E, Ste 400, Fife, WA 98424 WA State I502 Certification 0018 | ISO 17025 91428 | Accreditation #91428



Sample: **8012384** #COC/INVOICE: **4082** 

Laboratory ID **210124-008** Matrix **Flower** Batch ID Inventory ID Tested for **Confidence Analytics** Address **14797 NE 95th St Redmond, WA 98052** License **3** 

Received **01/25/2021** Reported **01/28/2021** 

Analyses executed **MET** 

# MET - Heavy Metals Detection Analysis

Analyzed Jan 28, 2021 | Instrument ICP-MS

Analyte	LOD ug/5g	LOQ ug/5g	Result ug/5g	WRL ug/5g	Analyte	LOD ug/5g	LOQ ug/5g	Result ug/5g	WRL ug/5g
Arsenic (As)	0.02	0.06	ND	10	Cadmium (Cd)	0.01	0.04	ND	4.1
Lead (Pb)	0.01	0.02	ND	6	Mercury (Hg)	0.02	0.07	ND	2



NR Not Reported
ND Not Detected
<LOD Below Lod
NT Not Tested
LOD Limit of Detection
LOQ Limit of Quantification
DET Detected below quantitation limit
CFU/g Colony Forming Units per 1 gram
TNTC Too Numerous to Count
mg/g Milligrams per gram
ppm Parts per million
WRL Washington Regulatory Limit

**Authorized Signature** 

Kyle Shelton

Kyle Shelton Lab Manager 01/28/2021

