



# Confidence Analytics

## Cannabis Analytics and Research Specialists

WSLCB License # 0003 | 14797 NE 95th St, Redmond, WA 98052 | (206) 743-8843 | info@confiabls.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 # 6110613

**Origination:** ZoneIn CBD

**UBI #:**

**Inventory #:** 190120

**Strain:** ZoneIn Balance

**License #:**

**QA #:** BC1107201900015



**Type:** Capsule

**Harvest Date:** Unknown

**Result #:** Unlisted

**Address:** 6947 Coal Creek Pkwy SE #199 **Date of Receipt:** 2019-11-07 **Approved By:** N. Mosely, CEO

Bellevue, WA 98059 **Date of Testing:** 2019-11-10

S. Stevens, LDR

### Dosage Calculation

|       | Net Wt | THC | CBD       |
|-------|--------|-----|-----------|
| Unit: | 0.8g   | Unk | 17mg/unit |

These values calculated by the manufacturer.

### Chemical Profile (units in mg/g)

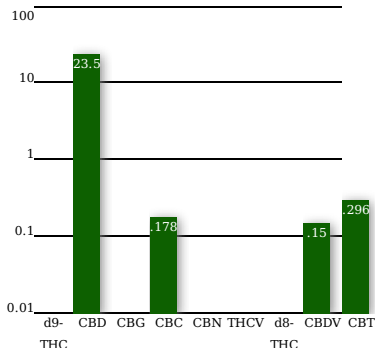
| THC max                            |       | CBD max       |       | Bisabolo         |
|------------------------------------|-------|---------------|-------|------------------|
| ND                                 |       | 23.5          |       | 0.12             |
| raw sum: ND                        |       | raw sum: 23.5 |       |                  |
| THCA                               | ND    | d9-THC        | ND    | Eudesmol         |
| CBDA                               | 0.189 | CBD           | 23.3  |                  |
| CBGA                               | ND    | CBG           | ND    |                  |
| CBC                                | 0.178 | CBN           | ND    | Guaiaol          |
| THCVA                              | ND    | THCV          | ND    |                  |
| CBDVA                              | NE    | CBDV          | 0.153 |                  |
| CBT                                | 0.296 | d8-THC        | ND    | Terp total: 0.21 |
| Total Cannabinoids (raw sum): 24.1 |       |               |       |                  |

### Shelf Stability

**Loss-On-Drying** NE

**Water Activity:** 0.4492

### Cannabinoid Profile (units in mg/g)



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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

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*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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### Quantitative Impurities Report

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

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### Findings

#### ALKANES

| <u>Analyte</u> | <u>Concentration</u> | <u>Action Level</u> |
|----------------|----------------------|---------------------|
| Hexane         | < RL                 | 290 ppm             |
| Cyclohexane    | < RL                 | 3900 ppm            |
| Butane         | < RL                 | 5000 ppm            |
| Pentane        | < RL                 | 5000 ppm            |
| Heptane        | < RL                 | 5000 ppm            |
| Propane        | < RL                 | 5000 ppm            |

*\*Reporting Limit (RL) = 10 ppm*

#### ALLOWED INGREDIENTS

| <u>Analyte</u> | <u>Concentration</u> |
|----------------|----------------------|
| Ethanol        | < RL                 |

*\*Reporting Limit (RL) = 500 ppm*

#### MYCOTOXINS

| <u>Analyte</u> | <u>Concentration</u> | <u>Action Level*</u> |
|----------------|----------------------|----------------------|
| Aflatoxin B1   | < LLOQ               | 20 ppb               |
| Aflatoxin B2   | < LLOQ               | 20 ppb               |
| Aflatoxin G1   | < LLOQ               | 20 ppb               |
| Aflatoxin G2   | < LLOQ               | 20 ppb               |
| Ochratoxin A   | < LLOQ               | 20 ppb               |

*\*Action Level is Sum of Aflatoxins*

#### IMPURITIES

| <u>Analytes</u> | <u>Concentration</u> | <u>Action Level</u> |
|-----------------|----------------------|---------------------|
| Acetone         | < RL                 | 5000 ppm            |
| Benzene         | < RL                 | 2 ppm               |
| Chloroform      | < RL                 | 2 ppm               |
| Dichloromethane | < RL                 | 600 ppm             |
| Ethyl Acetate   | < RL                 | 5000 ppm            |
| Isopropanol     | < RL                 | 5000 ppm            |
| Xylene          | < RL                 | 2200 ppm            |
| Methanol        | < RL                 | 3000 ppm            |
| Toluene         | < RL                 | 890 ppm             |

*\*Reporting Limit (RL) = Half Action Level*

#### MICROBIOLOGICALS

| <u>Organism</u> | <u>CFU/g</u> | <u>Action Level</u> |
|-----------------|--------------|---------------------|
| BTGN Bacteria   | 0            | 10000               |
| Yeast and Mold  | NE           | N/A                 |
| E. coli         | 0            | 1                   |
| Salmonella      | 0            | 1                   |

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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

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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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## Chemical Residue Screen

### Official Test Results for Laboratory Sample # 6110613

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### 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              | Dimethoate      | 60-51-5     | NOT DETECTED     | PASS      | 0.20 ppm              |
| (sum) Permethrins   | NA          | NOT DETECTED     | PASS      | 0.20 ppm              | Ethoprophos     | 13194-48-4  | NOT DETECTED     | PASS      | 0.20 ppm              |
| Abamectin B1a       | 71751-41-2  | NOT DETECTED     | PASS      | 0.50 ppm              | Etofenprox      | 80844-07-1  | NOT DETECTED     | PASS      | 0.40 ppm              |
| Acephate            | 30560-19-1  | NOT DETECTED     | PASS      | 0.40 ppm              | Etoxazole       | 153233-91-1 | NOT DETECTED     | PASS      | 0.20 ppm              |
| Acetamiprid         | 135410-20-7 | NOT DETECTED     | PASS      | 0.20 ppm              | Fenoxycarb      | 72490-01-8  | NOT DETECTED     | PASS      | 0.20 ppm              |
| Aldicarb            | 116-06-3    | NOT DETECTED     | PASS      | 0.40 ppm              | Fenpyroximate   | 134098-61-6 | NOT DETECTED     | PASS      | 0.40 ppm              |
| Azoxystrobin        | 131860-33-8 | NOT DETECTED     | PASS      | 0.20 ppm              | Fipronil        | 120068-37-3 | NOT DETECTED     | PASS      | 0.40 ppm              |
| Bifenazate          | 149877-41-8 | NOT DETECTED     | PASS      | 0.20 ppm              | Flonicamid      | 158062-67-0 | NOT DETECTED     | PASS      | 1.00 ppm              |
| Boscalid            | 188425-85-6 | NOT DETECTED     | PASS      | 0.40 ppm              | Fludioxonil     | 131341-86-1 | NOT DETECTED     | PASS      | 0.40 ppm              |
| Carbaryl            | 63-25-2     | NOT DETECTED     | PASS      | 0.20 ppm              | Hexythiazox     | 78587-05-0  | NOT DETECTED     | PASS      | 1.00 ppm              |
| Carbofuran          | 1563-66-2   | NOT DETECTED     | PASS      | 0.20 ppm              | Imazalil        | 35554-44-0  | NOT DETECTED     | PASS      | 0.20 ppm              |
| Chlorantraniliprole | 500008-45-7 | NOT DETECTED     | PASS      | 0.20 ppm              | Imidacloprid    | 138261-41-3 | NOT DETECTED     | PASS      | 0.40 ppm              |
| Chloromequat        | 7003-89-6   | NOT DETECTED     | PASS      | 0.10 ppm              | Kresoxim-methyl | 143390-89-0 | NOT DETECTED     | PASS      | 0.40 ppm              |
| cis-Permethrin      | 52645-53-1  | NOT DETECTED     | PASS      | 0.20 ppm              | Malathion       | 121-75-5    | NOT DETECTED     | PASS      | 0.20 ppm              |
| Clofentezine        | 74115-24-5  | NOT DETECTED     | PASS      | 0.20 ppm              | Metalaxyl       | 57837-19-1  | NOT DETECTED     | PASS      | 0.20 ppm              |
| Daminozide          | 1596-84-5   | NOT DETECTED     | PASS      | 1.00 ppm              | Methiocarb      | 2032-65-7   | NOT DETECTED     | PASS      | 0.20 ppm              |
| Diazinon            | 333-41-5    | NOT DETECTED     | PASS      | 0.20 ppm              | Methomyl        | 16752-77-5  | NOT DETECTED     | PASS      | 0.40 ppm              |
| Dichlorvos          | 62-73-7     | NOT DETECTED     | PASS      | 0.10 ppm              | Myclobutanil    | 88671-89-0  | NOT DETECTED     | PASS      | 0.20 ppm              |

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|--------------------|-------------|------------------|-----------|-----------------------|------------------|-------------|------------------|-----------|-----------------------|
| Naled              | 300-76-5    | NOT DETECTED     | PASS      | 0.50 ppm              | trans-Permethrin | 52645-53-2  | NOT DETECTED     | PASS      | 0.20 ppm              |
| Oxamyl             | 23135-22-0  | NOT DETECTED     | PASS      | 1.00 ppm              | Trifloxystrobin  | 141517-21-7 | NOT DETECTED     | PASS      | 0.20 ppm              |
| Paclobutrazol      | 76738-62-0  | NOT DETECTED     | PASS      | 0.40 ppm              | Uniconazole      | 83657-22-1  | NOT DETECTED     | PASS      | 0.10 ppm              |
| Phosemet (Imidan)  | 732-11-6    | NOT DETECTED     | PASS      | 0.20 ppm              |                  |             |                  |           |                       |
| Piperonyl Butoxide | 51-03-6     | NOT DETECTED     | PASS      | 2.00 ppm              |                  |             |                  |           |                       |
| Prallethrin        | 23031-36-9  | NOT DETECTED     | PASS      | 0.20 ppm              |                  |             |                  |           |                       |
| Propiconazole      | 60207-90-1  | NOT DETECTED     | PASS      | 0.40 ppm              |                  |             |                  |           |                       |
| Propoxur           | 114-26-1    | NOT DETECTED     | PASS      | 0.20 ppm              |                  |             |                  |           |                       |
| Pyrethrin I        | 8003-34-7   | NOT DETECTED     | PASS      | 1.00 ppm              |                  |             |                  |           |                       |
| Pyridaben          | 96489-71-3  | NOT DETECTED     | PASS      | 0.20 ppm              |                  |             |                  |           |                       |
| Spinosad A         | 168316-95-8 | NOT DETECTED     | PASS      | 0.20 ppm              |                  |             |                  |           |                       |
| Spinosad D         | 168316-95-9 | NOT DETECTED     | PASS      | 0.20 ppm              |                  |             |                  |           |                       |
| Spiromesifen       | 283594-90-1 | NOT DETECTED     | PASS      | 0.20 ppm              |                  |             |                  |           |                       |
| Spirotetramat      | 203313-25-1 | NOT DETECTED     | PASS      | 0.20 ppm              |                  |             |                  |           |                       |
| Spiroxamine        | 118134-30-8 | NOT DETECTED     | PASS      | 0.40 ppm              |                  |             |                  |           |                       |
| Tebuconazole       | 80443-41-0  | NOT DETECTED     | PASS      | 0.40 ppm              |                  |             |                  |           |                       |
| Thiacloprid        | 111988-49-9 | NOT DETECTED     | PASS      | 0.20 ppm              |                  |             |                  |           |                       |
| Thiamethoxam       | 153719-23-4 | NOT DETECTED     | PASS      | 0.20 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 **6110613**

#COC/INVOICE: 171-20

|                   |            |          |                                      |          |                      |
|-------------------|------------|----------|--------------------------------------|----------|----------------------|
| Laboratory ID     | 191113-007 | Matrix   | Edible                               |          |                      |
| Licensee License  | 0003       | Address  | 14797 NE 95th St, Redmond, WA, 98052 | Name     | Confidence Analytics |
| Sampled           | -          | Received | Nov 13, 2019                         | Reported | Nov 22, 2019         |
| Analyses executed | MET        |          |                                      |          |                      |

## MET - Heavy Metals Detection Analysis

Analyzed Nov 22, 2019 | 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



Scan the QR code to  
verify authenticity.

Authorized Signature

Kyle Shelton  
 Fri, 22 Nov 2019 12:57:51 -0800

Medicine Creek Analytics | 3700 Pacific HWY E, Ste 400, Fife, WA 98424 | 253.382.6900 | WA State I502 Certification 0018 | ISO 17025 91428