

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: **05/02/24 Harlequin**

#COC/INVOICE: **7201**

| | | | |
|--|----------------------|--|--|
| Sample ID 240517-003 | Matrix Flower | Lot or Batch # | External Inv ID 01HY 1HP5 ER4B DVF8 |
| Tested for Washington Bud Company | | Address 28308 15th Ave NE Ste A Arlington, WA 98223 | License 412752 |
| Received 05/20/2024 | | Reported 05/24/2024 | |

Analyses executed **CAN, MIC, WA, FM, MYC, PES_WAC, MET**

Report Comments: This sample is WA state medically compliant

CAN - Cannabinoid Profile

Analyzed **May 24, 2024** | Instrument **HPLC LC2040**

| Analyte | LOD % | LOQ % | Result % | Result mg/g |
|---------------------------------------|-------|-------|----------|-------------|
| CBDV | 0.003 | 0.01 | ND | ND |
| CBDA | 0.003 | 0.01 | 9.334 | 93.340 |
| CBD | 0.003 | 0.01 | 0.074 | 0.740 |
| CBGA | 0.003 | 0.01 | 2.094 | 20.935 |
| CBG | 0.003 | 0.01 | ND | ND |
| THCV | 0.003 | 0.01 | ND | ND |
| CBN | 0.003 | 0.01 | ND | ND |
| THCA | 0.003 | 0.01 | 5.488 | 54.877 |
| Δ9 THC | 0.003 | 0.01 | 0.259 | 2.594 |
| Δ8 THC | 0.003 | 0.01 | ND | ND |
| CBC | 0.003 | 0.01 | ND | ND |
| Total THC (THCa * 0.877 + THC) | | | 5.072 | 50.721 |
| Total CBD (CBDA * 0.877 + CBD) | | | 8.260 | 82.599 |

MET - Heavy Metals Detection

Pass

Analyzed **May 22, 2024** | Instrument **ICP-MS**

| Analyte | LOD ug/g | LOQ ug/g | Result ug/g (ppm) | Analyte | LOD ug/g | LOQ ug/g | Result ug/g (ppm) |
|--------------|----------|----------|-------------------|--------------|----------|----------|-------------------|
| Arsenic (As) | 0.049 | 0.164 | 0.221 | Cadmium (Cd) | 0.01 | 0.034 | 0.0600 |
| Lead (Pb) | 0.034 | 0.114 | ND | Mercury (Hg) | 0.01 | 0.035 | ND |

MIC - Microbial- I502 panel (3)

Pass

Analyzed **May 22, 2024** | Instrument **Plating**

| Analyte | LOD CFU/g | LOQ CFU/g | Result CFU/g | WRL CFU/g | Analyte | LOD CFU/g | LOQ CFU/g | Result CFU/g | WRL CFU/g |
|------------|-----------|-----------|--------------|-----------|------------------------|-----------|-----------|--------------|-----------|
| E. coli | | | ND | DET/ND | Bile Tolerant gram neg | 100.0 | | ND | 10000 |
| Salmonella | 100.0 | | ND | DET/ND | | | | | |

- NR** Not Reported
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- 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
- µg/g** Microgram per gram
- CFM** Confirmed or Alternate Method



Authorized Signature

Kamy Howitz

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05/24/2024



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WA - Moisture & Water Activity

Pass

Analyzed **May 22, 2024** | Instrument **Water Activity Meter**

| Analyte | Findings (%) | WRL | Analyte | Findings (A _w) | WRL |
|----------|--------------|-----|----------------|----------------------------|--------------------------------|
| Moisture | NT | NA | Water Activity | 0.535 | 0.65 (flower) 0.85 (edible) |

FM - Foreign Matter Visual

Analyzed **May 22, 2024**

| Analyte | Findings | Analyte | Findings |
|-----------|----------|--------------------|----------|
| Stems (%) | Pass | Seeds or other (%) | Pass |
| Comment: | | | |

MYC - Mycotoxins

Pass

Analyzed **May 24, 2024** | Instrument **LC-MS/MS**

| Analyte | LOD ppb | Result ppb | WRL ppb | Analyte | LOD ppb | Result ppb | WRL ppb |
|------------------|---------|------------|---------|--------------|---------|------------|---------|
| Total Aflatoxins | 3.0 | ND | 20 | Ochratoxin A | 1.9 | ND | 20 |

PES_WAC - WA Compliance Pesticide (short list)

Pass Pass

Analyzed **May 24, 2024** | Instrument **LC-MS/MS (ESI) & GC-MS/MS**

| Analyte | Result µg/g (ppm) | WA State Action Limit | LOD (ppm) | LOQ (ppm) | Analyte | Result µg/g (ppm) | WA State Action Limit | LOD (ppm) | LOQ (ppm) |
|---------------------|-------------------|-----------------------|-----------|-----------|------------------------|-------------------|-----------------------|-----------|-----------|
| 3-Hydroxycarbofuran | ND | 0.2 | 0.072 | 0.216 | Abamectin B1a | ND | 0.5 | 0.12 | 0.4 |
| Acephate | ND | 0.4 | 0.025 | 0.076 | Acequinocyl | ND | 2 | 0.5 | 2.0 |
| Acetamiprid | ND | 0.2 | 0.025 | 0.076 | Aldicarb | ND | 0.4 | 0.05 | 0.15 |
| Aldicarb Sulfone | ND | 0.4 | 0.05 | 0.15 | Azoxystrobin | ND | 0.2 | 0.039 | 0.116 |
| Bifenazate | ND | 0.2 | 0.5 | 0.15 | Bifenthrin - LC | ND | | | |
| Boscalid - GC | ND | 0.4 | 0.029 | 0.097 | Carbaryl | ND | 0.2 | 0.039 | 0.116 |
| Carbofuran | ND | 0.2 | 0.05 | 0.15 | Chlorantraniliprole | ND | 0.2 | 0.065 | 0.196 |
| Chlorfenapyr | ND | 1 | 0.033 | 0.111 | Chlorpyrifos - GC | ND | 0.2 | 0.007 | 0.022 |
| Clofentezine | ND | 0.2 | 0.05 | 0.2 | Cyfluthrin (Sum) | ND | 1 | 0.016 | 0.053 |
| Cypermethrin (Sum) | ND | 1 | 0.022 | 0.074 | Daminozide | ND | 1 | 0.1 | 0.3 |
| DDVP (Dichlorvos) | ND | 0.1 | 0.022 | 0.072 | Diazinon | ND | 0.2 | 0.032 | 0.096 |
| Dimethoate | ND | 0.2 | 0.025 | 0.076 | Ethoprophos | ND | 0.2 | 0.05 | 0.15 |
| Etofenprox | ND | 0.4 | 0.128 | 0.383 | Etoxazole | ND | 0.2 | 0.043 | 0.13 |
| Fenoxycarb | ND | 0.2 | 0.032 | 0.096 | Fenpyroximate | ND | 0.4 | 0.032 | 0.096 |
| Fipronil | ND | 0.4 | 0.043 | 0.13 | Fonicamid | ND | 1 | 0.05 | 0.15 |
| Fludioxonil | ND | 0.4 | 0.1 | 0.3 | Hexythiazox | ND | 1 | 0.089 | 0.266 |
| Imazalil | ND | 0.2 | 0.05 | 0.15 | Imidacloprid | ND | 0.4 | 0.05 | 0.15 |
| Kresoxym-methyl | ND | 0.4 | 0.03 | 0.11 | Malathion | ND | 0.2 | 0.03 | 0.11 |
| Metalaxyl | ND | 0.2 | 0.043 | 0.13 | Methiocarb | ND | 0.2 | 0.06 | 0.19 |
| Methomyl | ND | 0.4 | 0.065 | 0.196 | MGK-264 (Sum) | ND | 0.2 | 0.01 | 0.03 |
| Myclobutanil | ND | 0.2 | 0.05 | 0.15 | Naled | ND | 0.5 | 0.022 | 0.072 |
| Oxamyl | ND | 1 | 0.032 | 0.096 | Paclobutrazol | ND | 0.4 | 0.05 | 0.15 |
| Parathion-Methyl | ND | 0.2 | 0.017 | 0.058 | Permethrins (Sum) - LC | ND | 0.2 | 0.189 | 0.567 |
| Phosmet | ND | 0.2 | 0.07 | 0.2 | Piperonyl Butoxide | ND | 2 | 0.05 | 0.2 |
| Prallethrin | ND | 0.2 | 0.05 | 0.16 | Propiconazole (Sum) | ND | 0.4 | 0.2 | 0.4 |
| Propoxur | ND | 0.2 | 0.03 | 0.09 | Pyrethrins (Sum) - LC | ND | 1 | 0.1 | 0.3 |
| Pyridaben | ND | 0.2 | 0.1 | 0.2 | Spinosad (Sum) | ND | 0.2 | 0.05 | 0.15 |
| Spiromesifen | ND | 0.2 | 0.05 | 0.15 | Spirotetramat | ND | 0.2 | 0.05 | 0.15 |
| Spiroxamine | ND | 0.4 | 0.03 | 0.12 | Tebuconazole | ND | 0.4 | 0.1 | 0.3 |

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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
µg/g Microgram per gram
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|-----------------|------------------------------|-----------------------|-----------|-----------|--------------|------------------------------|-----------------------|-----------|-----------|
| Thiacloprid | ND | 0.2 | 0.03 | 0.1 | Thiamethoxam | ND | 0.2 | 0.05 | 0.12 |
| Trifloxystrobin | ND | 0.2 | 0.05 | 0.15 | | | | | |



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