

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: Harlequin 7/25/25

#COC/INVOICE: 8880

Sample ID 250815-004	Matrix Flower	Lot or Batch #	External Inv ID 01K2Q3TJR4ZC7HT4
Tested for Washington Bud Company	Address 28308 15th Ave NE Ste A Arlington, WA 98223		License 412752
Received 08/19/2025			Reported 08/25/2025

This sample is WA state DOH medically compliant

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

CAN - Cannabinoid Profile

Analyzed **Aug 21, 2025** | Instrument **HPLC LC2040**

Analyte	LOD %	LOQ %	Result %	Result mg/g
CBDV	0.003	0.01	ND	ND
CBDa	0.003	0.01	9.0	90
CBD	0.003	0.01	0.25	2.5
CBGA	0.003	0.01	0.64	6.4
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	5.2	52
Δ9 THC	0.003	0.01	0.34	3.4
Δ8 THC	0.003	0.01	ND	ND
CBC	0.003	0.01	ND	ND
Total THC (THCa * 0.877 + THC)			4.9	49
Total CBD (CBDa * 0.877 + CBD)			8.1	81
Total Cannabinoids			15	150

MET - Heavy Metals Detection

Pass

Analyzed **Aug 21, 2025** | 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	ND	Cadmium (Cd)	0.01	0.034	ND
Lead (Pb)	0.034	0.114	ND	Mercury (Hg)	0.01	0.035	ND

MIC - Microbial- I502 panel (3)

Pass

Analyzed **Aug 22, 2025** | 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					

ABC

NR Not Reported
ND Not Detected
<LOD Below Lod
NT Not Tested
LOD Limit of Detection
LOQ Limit of Quantitation
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

Amber R. Wise

Amber R. Wise, PhD
Science Director
08/25/2025



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PES_WAC - WA Compliance Pesticide (short list)

Pass

Analyzed Aug 25, 2025 | 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	Flonicamid	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
Thiacloprid	ND	0.2	0.03	0.1	Thiamethoxam	ND	0.2	0.05	0.12
Trifloxystrobin	ND	0.2	0.05	0.15					

WA - Moisture & Water Activity

Pass

Analyzed Aug 20, 2025 | Instrument Water Activity Meter

Analyte	Findings (%)	WRL	Analyte	Findings (A _w)	WRL
Moisture	NT	NA	Water Activity	0.55	0.65 (flower) 0.85 (edible)

FM - Foreign Matter Visual

Analyzed Aug 25, 2025

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

- 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
- µg/g

Microgram per gram
- CFM

Confirmed or Alternate Method



Authorized Signature

Amber R. Wise

Amber R. Wise, PhD
Science Director
08/25/2025



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MYC - Mycotoxins

Pass

Analyzed **Aug 25, 2025** | 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

- 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

µg/g Microgram per gram

CFM Confirmed or Alternate Method



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Confidence Analytics®

Cannabis Analytical Chemistry Laboratory

WSLCB Certification # 0003 | 14797 NE 95th St, Redmond, WA 98052 | 206.743.8843 | info@conflabs.com



Origin

Medicine Creek Analytics
3700 Pacific Hwy E #400
Fife, Wa 98424
License #: n/a

Parent Batch ID:
250815-004

Origin Sample ID:
250815-004

Sample Demographics

Sample Name:
250815-004

Product Type:
Flower

Matrix Type:
GPM

Category: N O N-502
N O N-502

Lab Sample ID: WA-250822-097

Date of Collection:
Unknown

Date of Receipt:
2025-08-21

Date of Completion:
2025-08-24

Serving / Package Wt:
N/A / N/A

Sample Size:
2 g

Batch Pass/Fail:
✓ **PASS**

Safety Analysis - summary

Foreign Matter
NT

Heavy Metals
NT

Microbial
NT

Mycotoxins
NT

Pesticides
✓ **PASS**

Solvents
NT

Water Activity
NT

Cannabinoids - Potency

Analyte Name	%	mg/g	mg/serving	mg/package	LoD/LoQ (%)
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[End of Analytes]



Certificate of Analysis

Batch #: 250815-004, ID: WA-250822-097,

Sample Name: 250815-004, Type: Flower,

Origin: Medicine Creek Analytics (License No.: n/a)



GCMS Pesticides				2025-08-24	
Analyte Name (ppm)	Result	LoD/LoQ/AL	(Pass/Fail)		
chlorfenapyr	ND	0.75 / 0.75 / 1	Pass	spinosad dND0.04 / 0.04 / 0.2Pass	
chlorpyrifos	ND	0.15 / 0.15 / 0.2	Pass	spiromesifenND0.08 / 0.08 / 0.2Pass	
cyfluthrin	ND	0.75 / 0.75 / 1	Pass	spirotramatND0.08 / 0.08 / 0.2Pass	
cypermethrin	ND	0.75 / 0.75 / 1	Pass	spiroxamineND0.08 / 0.08 / 0.4Pass	
methyl parathion	ND	0.15 / 0.15 / 0.2	Pass	tebuconazoleND0.08 / 0.08 / 0.4Pass	
mgk 264 a	ND	0.11 / 0.11 / 0.2	Pass	thiaclopridND0.08 / 0.08 / 0.2Pass	
mgk 264 b	ND	0.1 / 0.1 / 0.2	Pass	thiamethoxamND0.08 / 0.08 / 0.2Pass	
total mgk 264	ND	N/A / N/A / 0.2	Pass	trans-permethrinND0.08 / 0.08 / 0.2Pass	
LCMS Pesticides				2025-08-24	
Analyte Name (ppm)	Result	LoD/LoQ/AL	(Pass/Fail)		
acephate	ND	0.08 / 0.08 / 0.4	Pass	trifloxystrobinND0.08 / 0.08 / 0.2Pass	
acequinocyl	ND	0.48 / 0.48 / 2	Pass	total abamectinNDN/A / N/A / 0.5Pass	
acetamiprid	ND	0.08 / 0.08 / 0.2	Pass	total permethrinsNDN/A / N/A / 0.2Pass	
aldicarb	ND	0.08 / 0.08 / 0.4	Pass	total pyrethrinsNDN/A / N/A / 1Pass	
avermectin b1a	ND	0.08 / 0.08 / 0.5	Pass	total spinosadsNDN/A / N/A / 0.2Pass	
avermectin b1b	ND	0.08 / 0.08 / 0.5	Pass	[END OF ANALYTES]	
azoxystrobin	ND	0.08 / 0.08 / 0.2	Pass		
bifenazate	ND	0.04 / 0.04 / 0.2	Pass		
bifenthrin	ND	0.04 / 0.04 / 0.2	Pass		
boscalid	ND	0.08 / 0.08 / 0.4	Pass		
carbaryl	ND	0.08 / 0.08 / 0.2	Pass		
carbofuran	ND	0.08 / 0.08 / 0.2	Pass		
chlorantraniliprole	ND	0.08 / 0.08 / 0.2	Pass		
cis-permethrin	ND	0.08 / 0.08 / 0.2	Pass		
clofentezine	ND	0.08 / 0.08 / 0.2	Pass		
daminozide	ND	0.48 / 0.48 / 1	Pass		
diazinon	ND	0.08 / 0.08 / 0.2	Pass		
dichlorvos	ND	0.074 / 0.074 / 0.1	Pass		
dimethoate	ND	0.08 / 0.08 / 0.2	Pass		
ethoprophos	ND	0.08 / 0.08 / 0.2	Pass		
etofenprox	ND	0.08 / 0.08 / 0.4	Pass		
etoxazole	ND	0.08 / 0.08 / 0.2	Pass		
fenoxycarb	ND	0.08 / 0.08 / 0.2	Pass		
fenpyroximate	ND	0.08 / 0.08 / 0.4	Pass		
fipronil	ND	0.08 / 0.08 / 0.4	Pass		
flonicamid	ND	0.48 / 0.48 / 1	Pass		
fludioxonil	ND	0.08 / 0.08 / 0.4	Pass		
hexythiazox	ND	0.15 / 0.15 / 1	Pass		
imazalil	ND	0.08 / 0.08 / 0.2	Pass		
imidacloprid	ND	0.04 / 0.04 / 0.4	Pass		
kresoxim-methyl	ND	0.08 / 0.08 / 0.4	Pass		
malathion	ND	0.08 / 0.08 / 0.2	Pass		
metalaxyl	ND	0.08 / 0.08 / 0.2	Pass		
methiocarb	ND	0.08 / 0.08 / 0.2	Pass		
methomyl	ND	0.08 / 0.08 / 0.4	Pass		
myclobutanil	ND	0.04 / 0.04 / 0.2	Pass		
naled	ND	0.08 / 0.08 / 0.5	Pass		
oxamyl	ND	0.08 / 0.08 / 1	Pass		
paclobutrazol	ND	0.04 / 0.04 / 0.4	Pass		
phosmet	ND	0.08 / 0.08 / 0.2	Pass		
piperonyl butoxide	ND	0.08 / 0.08 / 2	Pass		
prallethrin	ND	0.08 / 0.08 / 0.2	Pass		
propiconazole	ND	0.15 / 0.15 / 0.4	Pass		
propoxur	ND	0.08 / 0.08 / 0.2	Pass		
pyrethrin i	ND	0.08 / 0.08 / 1	Pass		
pyrethrin ii	ND	0.08 / 0.08 / 1	Pass		
pyridaben	ND	0.08 / 0.08 / 0.2	Pass		
spinosad a	ND	0.04 / 0.04 / 0.2	Pass		



Certificate of Analysis

Batch #: 250815-004, ID: WA-250822-097,

Sample Name: 250815-004, Type: Flower,

Origin: Medicine Creek Analytics (License No.: n/a)



Attestation & Accuracy Review

These testing results are certified by scientific examination of a single sample provided by the Producer/Processor. Confidence Analytics and its agents did not observe or participate in the sample selection process, and cannot confirm the authenticity of the sample or its representativeness of the associated lot/batch. The sample, as received, was homogenized before subsamples were drawn for specific analyses.

Pass/Fail criteria are defined in [WAC 314-55-102](#) and [WAC 314-55-108](#)

Calculations:

$$\text{Total THC} = \text{d9-THC} + (\text{THC-A} * 0.877)$$
$$\text{Total CBD} = \text{CBD} + (\text{CBD-A} * 0.877)$$

Total Cannabinoid is a raw sum of all measured cannabinoids.

In Traceability, Total Cannabinoid is a sum of Total THC and Total CBD.

Figures may differ slightly from traceability due to rounding.

Definitions:

ND = Not Detected

NT = Not Tested

LOD = Detection Limit

LOQ = Lower Quantification Limit

ULOQ = Upper Quantification Limit

AL = Action Limit

N/A = Not Applicable

GPM = Green Plant Material

CONC = Concentrate

ISL = Infused Solid or Liquid

¹Greater than ULOQ²Not included in A2LA scope of Accreditation³WSDA Accreditation not available for this analyte

Analytical Methods Used:

Cannabinoids by UHPLC-DAD

Terpenes by HS-GC-FID/MS³

Residual Solvents by HS-GC-MS

LCMS Pesticides by LC-MS/MS

GCMS Pesticides by GC-MS/MS

Mycotoxins by LC-MS/MS

Microbes by Plate Counting

Heavy Metals by ICP-MS

Foreign Material by Macroscopic Inspection

Water Activity by HYGROMETER

Certifying Scientist: Shannon Stevens

Material Amendments

No material amendments recorded for this sample.