

# Certificate of Analysis

Produced: Jul 23, 2025

**Sample:** Cherry Limeade 5mg Batch# 10 Lot# 25167 (Edible Liquid) • **Client:** Fifty West Brewing Company • **Batch:** Pass



**Matrix:** Edible Liquid  
**Density:** 1.00794 g/ml  
**Category:** Infused Edible  
**Sample ID:** ICM-250709-011  
**Collected on:** Jul 09, 2025  
**Received on:** Jul 09, 2025  
**Batch Size:** 3 Units  
**Sample Size:** 3 Units  
**Received By:** Joe Elliott  
**Package Size:** 357.6998 g

**Batch Result:** Pass

<b>Potency</b>	Pass
<b>Foreign</b>	Pass
<b>Metals</b>	Pass
<b>Microbial</b>	Pass

### Cannabinoid Overview

<b>Total THC:</b>	<b>4.84 mg/pkg</b>
<b>Total CBD:</b>	<b>0.000 mg/pkg</b>
<b>Total Cannabinoids:</b>	<b>4.84 mg/pkg</b>

### POT-001: POT-001: Cannabinoids by HPLC-DAD

Analyte	Amt (mg/pkg)	Amt (%)	Amt (mg/ml)	LOD/LOQ (mg/ml)	Analyte	Amt (mg/pkg)	Amt (%)	Amt (mg/ml)	LOD/LOQ (mg/ml)
CBC	ND	ND	ND	0.000907/0.00292	CBN	ND	ND	ND	0.000403/0.00121
CBCA	ND	ND	ND	0.00131/0.00433	CBNA	ND	ND	ND	0.000504/0.00161
CBCV	ND	ND	ND	0.000605/0.00202	CBT	ND	ND	ND	0.000706/0.00222
CBD	ND	ND	ND	0.000403/0.00151	Δ <sup>8</sup> + Δ <sup>9</sup> -THC*	4.8289473	0.00135	0.014	
CBDa	ND	ND	ND	0.000706/0.00232	Δ <sup>8</sup> -THC	ND	ND	ND	0.000302/0.00101
CBDV	ND	ND	ND	0.000706/0.00252	Δ <sup>9</sup> -THC	4.8289473	0.00135	0.014	0.000403/0.00131
CBDVA	ND	ND	ND	0.000302/0.000907	THCA	ND	ND	ND	0.000403/0.00151
CBG	ND	ND	ND	0.000605/0.00192	THCV	ND	ND	ND	0.000403/0.00121
CBGA	ND	ND	ND	0.000605/0.00192	THCVA	ND	ND	ND	0.000403/0.00131
CBL	ND	ND	ND	0.000605/0.00202	<b>Total THC**</b>	4.8289473	0.00135	0.014	
CBLA	ND	ND	ND	0.000403/0.00131	<b>Total CBD**</b>	ND	ND	ND	

\* Beyond scope of accreditation

Total THC = THCa \* 0.877 + d9-THC; Total CBD = CBDa \* 0.877 + CBD; NR= Not Reported, ND= Not Detected, \*Reported by Dry Mass\*; \*analytical instrumentation used Cannabinoids: UHPLC-DAD, Moisture: Mass by Drying, Water Activity: Water Activity Meter, Foreign: Microscope\* \*Density tested at a temperature range between 19-24 °C, \*Water Activity tested at a humidity range between 0-90% Relative Humidity. All OA samples are sampled by the client, All Michigan State Compliant samples sampled using SAMPL-SOP-001.



## MIC-002: MIC-002: Quantitative Microbial Analysis by Petrifilm Plating

Analyte	Amt (CFU/g)	Pass/Fail	Analyte	Amt (CFU/g)	Pass/Fail
Coliforms	ND	Pass	Yeast & Mold	ND	Pass

## MIC-004: MIC-004: Targeted Microbial Detection by qPCR

Analyte	Amt (CFU/g)	Pass/Fail	Analyte	Amt (CFU/g)	Pass/Fail
Aspergillus spp.	ND	Pass	Shiga toxin-producing E. coli	ND	Pass
Salmonella spp.	ND	Pass			

## HM-001: HM-001: Heavy Metals by ICP-MS

Analyte	Amt (µg/g)	Limit (µg/g)	LOD/LOQ (µg/g)	Pass/Fail	Analyte	Amt (µg/g)	Limit (µg/g)	LOD/LOQ (µg/g)	Pass/Fail
Arsenic	ND	1.5	0.00170/0.0340	Pass	Lead	ND	0.5	0.00600/0.0170	Pass
Cadmium	ND	0.5	0.00200/0.00500	Pass	Mercury	< LOQ	3	0.00300/0.0140	Pass
Chromium	ND	2	0.0520/0.156	Pass	Nickel	0.243		0.0160/0.0480	N/A
Copper	0.0594		0.00600/0.0190	N/A					

### Notes

Jasmine Huffaker  
Jul 09, 2025

**Cannabinoids by HPLC-DAD**  
\*CBC, CBCA, CBCV, CBDV, CBDVA, CBGA, CBL, CBLA, CBNA, CBT, THC, THCVA have not been evaluated by the CRA and are for informational purposes only.

### Accreditations



#### PJLA Accredited

**POT-001: POT-001: Cannabinoids by HPLC-DAD**  
CBC, CBCA, CBCV, CBD, CBDA, CBDV, CBDVA, CBG, CBGA, CBL, CBLA, CBN, CBNA, CBT, Delta-8-THC, Delta-9-THC, THCA, THC, THCVA, Total CBD, Total THC

**MIC-002: MIC-002: Quantitative Microbial Analysis by Petrifilm Plating**  
Coliforms, Yeast & Mold

**MIC-004: MIC-004: Targeted Microbial Detection by qPCR**  
Aspergillus spp., Salmonella spp., Shiga toxin-producing E. coli

**HM-001: HM-001: Heavy Metals by ICP-MS**  
Arsenic, Cadmium, Chromium, Copper, Lead, Mercury, Nickel

**FFM-001: FFM-001: Foreign Matter by Microscopic Inspection**  
Inorganic Matter, Organic Matter

