

# Certificate of Analysis



**Sample Name:** Chill State Super Lemon Haze - Low Dose  
**Client:** Fair State Brewing  
**Sample Code:** HEM-260526-009  
**Matrix Name:** Beverage  
**Type / Result:** Compliance - Pass



**Received Date:** Mon, Jun 1, 2026  
**Published Date:** Thu, Jun 4, 2026  
**Batch/Lot Code:** CHH-LD03  
**Batch Size:** N/A  
**Sample Size:** 10U  
**Average Unit Weight:** 355g (1 can)

## RESULT SUMMARY

Total Cannabinoids	22.07 mg /serv
Total CBD	20.64 mg /serv
Total THC	1.43 mg /serv

POT  
Cannabinoids  
Potency



PGC  
Chemical Residue  
MI Cannabis



PLC  
Chemical Residue  
MI Cannabis



AFLA  
Aflatoxins  
USP <561>



HPMET  
Heavy Metals  
Expanded 7



## Approvals

### RESULTS REVIEWED BY:

**Leslie Nagy**  
Laboratory Director

Cambium Analytica  
Thursday, Jun 4, 2026

### RESULTS CERTIFIED BY:

**Douglas Smith**  
VP - Scientific  
Operations

Cambium Analytica  
Thursday, Jun 4, 2026

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## Lab Information

**Address:** 1230 Woodmere Ave, Traverse City, MI 49686    **Phone:** 231.252.3669    **Accreditation:** ISO/IEC 17025:2017 – #108157



POT

**Cannabinoids - Potency**

LAB-TM-025 - Determination of Potency of Cannabis and Cannabis Infused Products  
 POT-HEM-260526-009-01 - THU, JUN 4, 2026



Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
CBD	0.0058 %	0.0581 mg/g	20.64 mg	20.64 mg	20.25 - 24.75 mg/pack	0.0005 mg/g	0.001 mg/g	WITHIN SPEC
Delta-9 THC	0.0004 %	0.0040 mg/g	1.43 mg	1.43 mg	1.35 - 1.65 mg/pack	0.0005 mg/g	0.001 mg/g	WITHIN SPEC
(6aR,9R)-Delta-10 THC	ND	N/A	N/A	N/A	N/A	0.0005 mg/g	0.001 mg/g	N/A
(6aR,9S)-Delta-10 THC	ND	N/A	N/A	N/A	N/A	0.0005 mg/g	0.001 mg/g	N/A
CBC	ND	N/A	N/A	N/A	N/A	0.0005 mg/g	0.001 mg/g	N/A
CBDA	ND	N/A	N/A	N/A	N/A	0.0005 mg/g	0.001 mg/g	N/A
CBDV	ND	N/A	N/A	N/A	N/A	0.0005 mg/g	0.001 mg/g	N/A
CBG	<LOQ	N/A	N/A	N/A	N/A	0.0005 mg/g	0.001 mg/g	N/A
CBGA	ND	N/A	N/A	N/A	N/A	0.0005 mg/g	0.001 mg/g	N/A
CBN	ND	N/A	N/A	N/A	N/A	0.0005 mg/g	0.001 mg/g	N/A
Delta-8 THC	ND	N/A	N/A	N/A	N/A	0.0005 mg/g	0.001 mg/g	N/A
Delta-8 THCV	ND	N/A	N/A	N/A	N/A	0.0005 mg/g	0.001 mg/g	N/A
THCA	ND	N/A	N/A	N/A	N/A	0.0005 mg/g	0.001 mg/g	N/A
Delta-9 THCV	ND	N/A	N/A	N/A	N/A	0.0005 mg/g	0.001 mg/g	N/A
Total Cannabinoids*	0.0062 %	0.0622 mg/g	22.07 mg	22.07 mg	N/A	N/A	N/A	N/A
Total CBD*	0.0058 %	0.0581 mg/g	20.64 mg	20.64 mg	N/A	N/A	N/A	N/A
Delta-9 THC + Delta-8 THC	0.0004 %	0.0040 mg/g	1.43 mg	1.43 mg	N/A	N/A	N/A	N/A
Total THC*	0.0004 %	0.0040 mg/g	1.43 mg	1.43 mg	N/A	N/A	N/A	N/A
Total THCV*	0.0000 %	0.0000 mg/g	0 mg	0 mg	N/A	N/A	N/A	N/A

\*Total Cannabinoids is calculated as the sum of all quantified cannabinoids.

\*Total CBD is calculated as the sum of CBD and 0.877\*(CBDA).

\*Total THC is calculated as the sum of Delta-9 THC, Delta-8 THC, and 0.877\*(THCA).

\*Total THCV is calculated as the sum of Delta-8 THCV and Delta-9 THCV.

PGC

**Chemical Residue - MI Cannabis - GC/TQ**

LAB-TM-003 - Determination of Chemical Residue of Cannabis and Cannabis Infused Products by GC  
 PGC-HEM-260526-009-01 - THU, JUN 4, 2026



Analyte	Value	Action Limit	LOD	LOQ	Status
Chlorfenapyr	ND	N/A	6.110 ug/kg	20.400 ug/kg	N/A
Parathion-methyl	ND	N/A	3.120 ug/kg	10.500 ug/kg	N/A



PLC

## Chemical Residue - MI Cannabis - LC/TQ

LAB-TM-002 - Determination of Chemical Residue of Cannabis and Cannabis Infused Products by LC-TQ

PLC-HEM-260526-009-01 - WED, JUN 3, 2026



Analyte	Value	Action Limit	LOD	LOQ	Status
Abamectin	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Acephate	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Acequinocyl	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Acetamiprid	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Aldicarb	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Azoxystrobin	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Bifenazate	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Bifenthrin	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Boscalid	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Carbaryl	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Carbofuran	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Chlorantraniliprole	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Chlorpyrifos	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Clofentezine	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Cyfluthrin	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Cypermethrin	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Daminozide	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Diazinon	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Dichlorvos	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Dimethoate	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Ethoprophos	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Etofenprox	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Etoxazole	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Fenoxycarb	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Fenpyroximate	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Fipronil	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Fonicamid	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Fludioxonil	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Hexythiazox	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Imazalil	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Imidacloprid	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Kresoxim-methyl	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Malathion	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Metalaxyl	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Methiocarb	ND	N/A	0.05 ug/g	0.10 ug/g	N/A

\* Permethrin is reported as the sum of cis and trans isomers.

\* Total Pyrethrins is calculated as the sum of Cinerin I, Jasmolin I, and Pyrethrin I.

\* Total Spinosads is calculated as the sum of Spinosad A and Spinosad D.



PLC

## Chemical Residue - MI Cannabis - LC/TQ

LAB-TM-002 - Determination of Chemical Residue of Cannabis and Cannabis Infused Products by LC-TQ  
PLC-HEM-260526-009-01 - WED, JUN 3, 2026

Analyte	Value	Action Limit	LOD	LOQ	Status
Methomyl	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
MGK-264	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Myclobutanil	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Naled	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Oxamyl	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Pacllobutrazol	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Permethrin*	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Phosmet	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Prallethrin	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Propiconazole	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Propoxur	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Pyrethrins Cinerin I	ND	N/A	0.002 ug/g	0.004 ug/g	N/A
Pyrethrins Jasmolin I	ND	N/A	0.002 ug/g	0.004 ug/g	N/A
Pyrethrins Pyrethrin I	ND	N/A	0.034 ug/g	0.069 ug/g	N/A
Pyridaben	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Spinosad A	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Spinosad D	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Spiromesifen	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Spirotetramat	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Spiroxamine	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Tebuconazole	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Thiacloprid	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Thiamethoxam	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Trifloxystrobin	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Total Pyrethrins - MI*	0.000 ug/g	N/A	N/A	N/A	N/A
Total Spinosads*	0.000 ug/g	N/A	N/A	N/A	N/A

\*Permethrin is reported as the sum of cis and trans isomers.

\*Total Pyrethrins is calculated as the sum of Cinerin I, Jasmolin I, and Pyrethrin I.

\*Total Spinosads is calculated as the sum of Spinosad A and Spinosad D.



**AFLA**

**Aflatoxins - USP <561>**

LAB-TM-043 - USP 561 Aflatoxins Analysis in Articles of Botanical Origin by LC-TQ  
 AFLA-HEM-260526-009-01 - THU, JUN 4, 2026



Analyte	Value	Action Limit	LOD	LOQ	Status
Aflatoxin B2	ND	N/A	0.001 ug/g	0.002 ug/g	N/A
Aflatoxin G2	ND	N/A	0.001 ug/g	0.002 ug/g	N/A
Aflatoxin B1	ND	N/A	0.001 ug/g	0.002 ug/g	N/A
Ochratoxin A	ND	N/A	0.001 ug/g	0.002 ug/g	N/A
Aflatoxin G1	ND	N/A	0.001 ug/g	0.002 ug/g	N/A
Total Aflatoxins*	0.000 ug/g	N/A	N/A	N/A	N/A

\*Total Aflatoxins is calculated as the sum of B1, B2, G1, and G2

**HPMET**

**Heavy Metals - Expanded 7**

LAB-TM-044 - Determination of Heavy Metals by ICP-MS  
 HPMET-HEM-260526-009-01 - WED, JUN 3, 2026



Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
Arsenic	ND	N/A	N/A	N/A	N/A	9.005 ug/kg	25.015 ug/kg	N/A
Cadmium	ND	N/A	N/A	N/A	N/A	1.801 ug/kg	6.254 ug/kg	N/A
Chromium	ND	N/A	N/A	N/A	N/A	5.103 ug/kg	12.508 ug/kg	N/A
Copper	<LOQ	N/A	N/A	N/A	N/A	4.002 ug/kg	12.508 ug/kg	N/A
Lead	ND	N/A	N/A	N/A	N/A	1.101 ug/kg	6.254 ug/kg	N/A
Mercury	ND	N/A	N/A	N/A	N/A	0.350 ug/kg	0.625 ug/kg	N/A
Nickel	ND	N/A	N/A	N/A	N/A	3.052 ug/kg	6.254 ug/kg	N/A

USP <233>, USP <730>, USP <1730>

