

Certificate of Analysis



Sample Name: Chill State Blackberry Gelato - Low Dose
Client: Fair State Brewing
Sample Code: HEM-260526-007
Matrix Name: Beverage
Type / Result: Compliance - Pass



Received Date: Thu, May 28, 2026
Published Date: Tue, Jun 2, 2026
Batch/Lot Code: CHB-LD03
Batch Size: N/A
Sample Size: 10U
Average Unit Weight: 355g

RESULT SUMMARY

Total Cannabinoids	24.92 mg /serv
Total CBD	23.53 mg /serv
Total THC	1.40 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
Tuesday, Jun 2, 2026

RESULTS CERTIFIED BY:

Douglas Smith
VP - Scientific
Operations

Cambium Analytica
Tuesday, Jun 2, 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-260526-007-01 - MON, JUN 1, 2026

Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
CBD	0.0066 %	0.0663 mg/g	23.53 mg	23.53 mg	N/A	0.0005 mg/g	0.001 mg/g	N/A
Delta-9 THC	0.0004 %	0.0039 mg/g	1.40 mg	1.40 mg	N/A	0.0005 mg/g	0.001 mg/g	N/A
(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	ND	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*	0.0070 %	0.0702 mg/g	24.92 mg	24.92 mg	N/A	N/A	N/A	N/A
Total CBD*	0.0066 %	0.0663 mg/g	23.53 mg	23.53 mg	N/A	N/A	N/A	N/A
Delta-9 THC + Delta-8 THC	0.0004 %	0.0039 mg/g	1.40 mg	1.40 mg	N/A	N/A	N/A	N/A
Total THC*	0.0004 %	0.0039 mg/g	1.40 mg	1.40 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-260526-007-01 - MON, JUN 1, 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-260526-007-01 - TUE, JUN 2, 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-260526-007-01 - TUE, JUN 2, 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
Paclotbutrazol	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-260526-007-01 - TUE, JUN 2, 2026



Analyte	Value	Action Limit	LOD	LOQ	Status
Ochratoxin A	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
Aflatoxin G2	ND	N/A	0.001 ug/g	0.002 ug/g	N/A
Aflatoxin B2	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-260526-007-01 - MON, JUN 1, 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	9.023 ug/kg	25.063 ug/kg	N/A
Cadmium	ND	N/A	N/A	N/A	N/A	1.805 ug/kg	6.266 ug/kg	N/A
Chromium	ND	N/A	N/A	N/A	N/A	5.113 ug/kg	12.531 ug/kg	N/A
Copper	<LOQ	N/A	N/A	N/A	N/A	4.010 ug/kg	12.531 ug/kg	N/A
Lead	ND	N/A	N/A	N/A	N/A	1.103 ug/kg	6.266 ug/kg	N/A
Mercury	ND	N/A	N/A	N/A	N/A	0.351 ug/kg	0.627 ug/kg	N/A
Nickel	ND	N/A	N/A	N/A	N/A	3.058 ug/kg	6.266 ug/kg	N/A

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

