# Certificate of Analysis

**Sample Name:** Mindstate - Uplift - Mango - P1
**Client:** Mindstate LLLP
**Sample Code:** HEM-260112-003
**Matrix Name:** Beverage
**Type / Result:** Compliance - Pass

cambium analytica
an NSF company

**Received Date:** Tue, Jan 20, 2026
**Published Date:** Fri, Jan 23, 2026
**Batch/Lot Code:** 011226
**Batch Size:** N/A
**Sample Size:** 12oz
**Average Unit Weight:** 358.28g

## RESULT SUMMARY

| | |
|---|---|
| Total Cannabinoids | 9.72 mg /serv |
| Total CBD | 5.12 mg /serv |
| Total THC | 4.60 mg /serv |

| | | | | |
|---|---|---|---|---|
| POT ✓<br>Cannabinoids<br>Potency | ASP ✓<br>Aspergillus<br>qPCR | ECOLI ✓<br>Total Coliforms & E. coli<br>Plate | AFLA ✓<br>Aflatoxins<br>USP <561> | SS ✓<br>Salmonella & STEC<br>qPCR |
| HVMET ✓<br>Heavy Metals<br>Big 4 | TYMFD ✓<br>Total Yeast & Mold<br>Plate | CAPLC ✓<br>Chemical Residue<br>National Panel | CAPGC ✓<br>Chemical Residue<br>National Panel | |

## Approvals

**RESULTS REVIEWED BY:**

Leslie Varela
Laboratory Director
Cambium Analytica
Friday, Jan 23, 2026

**RESULTS CERTIFIED BY:**

Douglas Smith
VP - Scientific Operations
Cambium Analytica
Friday, Jan 23, 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-260112-003-01 - THU, JAN 22, 2026

| Analyte | Value | Value (mg/g) | Per Serving | Per Package | Action Limit | LOD | LOQ | Status |
|---|---|---|---|---|---|---|---|---|
| CBD | 0.0014 % | 0.0143 mg/g | 5.12 mg | 5.12 mg | N/A | 0.0005 mg/g | 0.001 mg/g | N/A |
| Delta-9 THC | 0.0013 % | 0.0128 mg/g | 4.60 mg | 4.60 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 | <LOQ | 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* | 0.0027 % | 0.0271 mg/g | 9.72 mg | 9.72 mg | N/A | N/A | N/A | N/A |
| Total CBD* | 0.0014 % | 0.0143 mg/g | 5.12 mg | 5.12 mg | N/A | N/A | N/A | N/A |
| Delta-9 THC + Delta-8 THC | 0.0013 % | 0.0128 mg/g | 4.60 mg | 4.60 mg | N/A | N/A | N/A | N/A |
| Total THC* | 0.0013 % | 0.0128 mg/g | 4.60 mg | 4.60 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.*

ASP

## Aspergillus - qPCR

LAB-TM-006 - Microbial Analysis by qPCR
ASP-HEM-260112-003-01 - THU, JAN 22, 2026

| Analyte | Value | Action Limit | LOD | LOQ | Status |
|---|---|---|---|---|---|
| Aspergillus Flavus | ND | N/A | N/A | N/A | N/A |
| Aspergillus Fumigatus | ND | N/A | N/A | N/A | N/A |
| Aspergillus Niger | ND | N/A | N/A | N/A | N/A |
| Aspergillus Spp | ND | N/A | N/A | N/A | N/A |
| Aspergillus Terreus | ND | N/A | N/A | N/A | N/A |

ECOLI

## Total Coliforms & E. coli - Plate - 25g - Full Range

LAB-TM-059 - Enumeration of Escherichia coli and Total Coliform in Foods and Dietary Supplements
ECOLI-HEM-260112-003-01 - THU, JAN 22, 2026

| Analyte | Value | Action Limit | LOD | LOQ | Status |
|---|---|---|---|---|---|
| E. coli | ND | N/A | 10 CFU/g | 10 CFU/g | N/A |
| Total Coliforms | ND | N/A | 10 CFU/g | 10 CFU/g | N/A |

AFLA

## Aflatoxins - USP <561>

LAB-TM-043 - USP 561 Aflatoxins Analysis in Articles of Botanical Origin by LC-TQ
AFLA-HEM-260112-003-01 - THU, JAN 22, 2026

| Analyte | Value | Action Limit | LOD | LOQ | Status |
|---|---|---|---|---|---|
| Aflatoxin B2 | 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 |
| 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 |
| 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*

SS

## Salmonella & STEC - qPCR

LAB-TM-006 - Microbial Analysis by qPCR
SS-HEM-260112-003-01 - THU, JAN 22, 2026

| Analyte | Value | Action Limit | LOD | LOQ | Status |
|---|---|---|---|---|---|
| Salmonella spp. | ND | N/A | N/A | N/A | N/A |
| Shiga Toxin Producing E. coli | ND | N/A | N/A | N/A | N/A |

HVMET

## Heavy Metals - Big 4

LAB-TM-044 - Determination of Heavy Metals by ICP-MS
HVMET-HEM-260112-003-01 - THU, JAN 22, 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 | 0.509 ug/kg | 2.062 ug/kg | N/A |
| Cadmium | ND | N/A | N/A | N/A | N/A | 0.256 ug/kg | 0.509 ug/kg | N/A |
| Lead | ND | N/A | N/A | N/A | N/A | 0.255 ug/kg | 0.515 ug/kg | N/A |
| Mercury | 0.000 ug/g | 0.000 mg/g | 0.05 ug | 0.05 ug | N/A | 0.025 ug/kg | 0.057 ug/kg | N/A |

TYMFD

## Total Yeast & Mold - Plate - 25g - Full Range

LAB-TM-061 - Enumeration of Yeast and Mold in Foods and Dietary Supplements

TYMFD-HEM-260112-003-01 - FRI, JAN 23, 2026

| Analyte | Value | Action Limit | LOD | LOQ | Status |
|---|---|---|---|---|---|
| Total Mold | ND | N/A | 10 CFU/g | 10 CFU/g | N/A |
| Total Yeast | ND | N/A | 10 CFU/g | 10 CFU/g | N/A |
| Total Yeast and Mold* | ND | N/A | 10 CFU/g | 10 CFU/g | N/A |

**Total Yeast and Mold is calculated as the sum of Total Yeast and Total Mold*

CAPLC

## Chemical Residue - National Panel - LC-TQ

ANA-TM-105 - Determination of Chemical Residue by LC-TQ - National Panel
CAPLC-HEM-260112-003-01 - THU, JAN 22, 2026

| Analyte | Value | Action Limit | LOD | LOQ | Status |
|---|---|---|---|---|---|
| Abamectin | ND | N/A | 0.063 ug/g | 0.125 ug/g | N/A |
| Acephate | ND | N/A | 0.063 ug/g | 0.125 ug/g | N/A |
| Acequinocyl | ND | N/A | 0.063 ug/g | 0.125 ug/g | N/A |
| Acetamiprid | ND | N/A | 0.063 ug/g | 0.125 ug/g | N/A |
| Aldicarb | ND | N/A | 0.063 ug/g | 0.125 ug/g | N/A |
| Azoxystrobin | ND | N/A | 0.063 ug/g | 0.125 ug/g | N/A |
| Bifenazate | ND | N/A | 0.063 ug/g | 0.125 ug/g | N/A |
| Bifenthrin | ND | N/A | 0.063 ug/g | 0.125 ug/g | N/A |
| Boscalid | ND | N/A | 0.063 ug/g | 0.125 ug/g | N/A |
| Carbaryl | ND | N/A | 0.063 ug/g | 0.125 ug/g | N/A |
| Carbofuran | ND | N/A | 0.063 ug/g | 0.125 ug/g | N/A |
| Chlorantraniliprole | ND | N/A | 0.063 ug/g | 0.125 ug/g | N/A |
| Chlormequat Chloride | ND | N/A | 0.063 ug/g | 0.125 ug/g | N/A |
| Chlorpyrifos | ND | N/A | 0.063 ug/g | 0.125 ug/g | N/A |
| Clofentezine | ND | N/A | 0.063 ug/g | 0.125 ug/g | N/A |
| Coumaphos | ND | N/A | 0.063 ug/g | 0.125 ug/g | N/A |
| Cyfluthrin | ND | N/A | 0.063 ug/g | 0.125 ug/g | N/A |
| Cypermethrin | ND | N/A | 0.063 ug/g | 0.125 ug/g | N/A |
| Daminozide | ND | N/A | 0.063 ug/g | 0.125 ug/g | N/A |
| Diazinon | ND | N/A | 0.063 ug/g | 0.125 ug/g | N/A |
| Dichlorvos | ND | N/A | 0.063 ug/g | 0.125 ug/g | N/A |
| Dimethoate | ND | N/A | 0.063 ug/g | 0.125 ug/g | N/A |
| Dimethomorph I | ND | N/A | 0.026 ug/g | 0.052 ug/g | N/A |
| Dimethomorph II | ND | N/A | 0.036 ug/g | 0.072 ug/g | N/A |
| Ethoprophos | ND | N/A | 0.063 ug/g | 0.125 ug/g | N/A |
| Etofenprox | ND | N/A | 0.063 ug/g | 0.125 ug/g | N/A |
| Etoxazole | ND | N/A | 0.063 ug/g | 0.125 ug/g | N/A |
| Fenhexamid | ND | N/A | 0.063 ug/g | 0.125 ug/g | N/A |
| Fenoxycarb | ND | N/A | 0.063 ug/g | 0.125 ug/g | N/A |
| Fenpyroximate | ND | N/A | 0.063 ug/g | 0.125 ug/g | N/A |
| Fipronil | ND | N/A | 0.063 ug/g | 0.125 ug/g | N/A |
| Flonicamid | ND | N/A | 0.063 ug/g | 0.125 ug/g | N/A |
| Fludioxonil | ND | N/A | 0.063 ug/g | 0.125 ug/g | N/A |
| Hexythiazox | ND | N/A | 0.063 ug/g | 0.125 ug/g | N/A |
| Imazalil | ND | N/A | 0.063 ug/g | 0.125 ug/g | N/A |

*Total Dimethomorphs is calculated as the sum of Dimethomorph I and Dimethomorph II.
*Total Pyrethrins is calculated as the sum of Cinerin I, Cinerin II, Jasmolin I, Jasmolin II, Pyrethrin I, and Pyrethrin II.
*Total Spinetorams is calculated as the sum of Spinetoram J and Spinetoram L.
*Total Spinosads is calculated as the sum of Spinosad A and Spinosad D.

CAPLC

## Chemical Residue - National Panel - LC-TQ

ANA-TM-105 - Determination of Chemical Residue by LC-TQ - National Panel

CAPLC-HEM-260112-003-01 - THU, JAN 22, 2026

| Analyte | Value | Action Limit | LOD | LOQ | Status |
|---|---|---|---|---|---|
| Imidacloprid | ND | N/A | 0.063 ug/g | 0.125 ug/g | N/A |
| Kresoxim-methyl | ND | N/A | 0.063 ug/g | 0.125 ug/g | N/A |
| Malathion | ND | N/A | 0.063 ug/g | 0.125 ug/g | N/A |
| Metalaxyl | ND | N/A | 0.063 ug/g | 0.125 ug/g | N/A |
| Methiocarb | ND | N/A | 0.063 ug/g | 0.125 ug/g | N/A |
| Methomyl | ND | N/A | 0.063 ug/g | 0.125 ug/g | N/A |
| Mevinphos | ND | N/A | 0.063 ug/g | 0.125 ug/g | N/A |
| MGK-264 | ND | N/A | 0.063 ug/g | 0.125 ug/g | N/A |
| Myclobutanil | ND | N/A | 0.063 ug/g | 0.125 ug/g | N/A |
| Naled | ND | N/A | 0.063 ug/g | 0.125 ug/g | N/A |
| Oxamyl | ND | N/A | 0.063 ug/g | 0.125 ug/g | N/A |
| Paclobutrazol | ND | N/A | 0.063 ug/g | 0.125 ug/g | N/A |
| Permethrins (Sum of cis-Permethrin and trans-Permethrin) | ND | N/A | 0.063 ug/g | 0.125 ug/g | N/A |
| Phosmet | ND | N/A | 0.063 ug/g | 0.125 ug/g | N/A |
| Piperonyl Butoxide | ND | N/A | 0.063 ug/g | 0.125 ug/g | N/A |
| Prallethrin | ND | N/A | 0.063 ug/g | 0.125 ug/g | N/A |
| Propiconazole | ND | N/A | 0.063 ug/g | 0.125 ug/g | N/A |
| Propoxur | ND | N/A | 0.063 ug/g | 0.125 ug/g | N/A |
| Pyrethrins Cinerin I | ND | N/A | 0.002 ug/g | 0.004 ug/g | N/A |
| Pyrethrins Cinerin II | ND | N/A | 0.001 ug/g | 0.002 ug/g | N/A |
| Pyrethrins Jasmolin I | ND | N/A | 0.002 ug/g | 0.004 ug/g | N/A |
| Pyrethrins Jasmolin II | 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 |
| Pyrethrins Pyrethrin II | ND | N/A | 0.021 ug/g | 0.042 ug/g | N/A |
| Pyridaben | ND | N/A | 0.063 ug/g | 0.125 ug/g | N/A |
| Spinetoram J | ND | N/A | 0.046 ug/g | 0.092 ug/g | N/A |
| Spinetoram L | ND | N/A | 0.016 ug/g | 0.032 ug/g | N/A |
| Spinosad A | ND | N/A | 0.048 ug/g | 0.095 ug/g | N/A |
| Spinosad D | ND | N/A | 0.015 ug/g | 0.03 ug/g | N/A |
| Spiromesifen | ND | N/A | 0.063 ug/g | 0.125 ug/g | N/A |
| Spirotetramat | ND | N/A | 0.063 ug/g | 0.125 ug/g | N/A |
| Spiroxamine | ND | N/A | 0.063 ug/g | 0.125 ug/g | N/A |
| Tebuconazole | ND | N/A | 0.063 ug/g | 0.125 ug/g | N/A |
| Thiacloprid | ND | N/A | 0.063 ug/g | 0.125 ug/g | N/A |

**Total Dimethomorphs is calculated as the sum of Dimethomorph I and Dimethomorph II.*

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

**Total Spinetorams is calculated as the sum of Spinetoram J and Spinetoram L.*

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

CAPLC

## Chemical Residue - National Panel - LC-TQ

ANA-TM-105 - Determination of Chemical Residue by LC-TQ - National Panel
CAPLC-HEM-260112-003-01 - THU, JAN 22, 2026

| Analyte | Value | Action Limit | LOD | LOQ | Status |
|---|---|---|---|---|---|
| Thiamethoxam | ND | N/A | 0.063 ug/g | 0.125 ug/g | N/A |
| Trifloxystrobin | ND | N/A | 0.063 ug/g | 0.125 ug/g | N/A |
| Total Dimethomorphs* | 0.000 ug/g | N/A | N/A | N/A | N/A |
| Total Pyrethrins* | 0.000 ug/g | N/A | N/A | N/A | N/A |
| Total Spinetorams* | 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 |

**Total Dimethomorphs is calculated as the sum of Dimethomorph I and Dimethomorph II.*
**Total Pyrethrins is calculated as the sum of Cinerin I, Cinerin II, Jasmolin I, Jasmolin II, Pyrethrin I, and Pyrethrin II.*
**Total Spinetorams is calculated as the sum of Spinetoram J and Spinetoram L.*
**Total Spinosads is calculated as the sum of Spinosad A and Spinosad D.*

CAPGC

## Chemical Residue - National Panel - GC-TQ

ANA-TM-109 - Determination of Chemical Residue by GC-TQ - National Panel

CAPGC-HEM-260112-003-01 - THU, JAN 22, 2026

| Analyte | Value | Action Limit | LOD | LOQ | Status |
|---|---|---|---|---|---|
| Captan | ND | N/A | 0.030 ug/g | 0.102 ug/g | N/A |
| Chlorfenapyr | ND | N/A | 0.014 ug/g | 0.048 ug/g | N/A |
| cis-Chlordane | ND | N/A | 0.004 ug/g | 0.013 ug/g | N/A |
| Parathion-methyl | ND | N/A | 0.008 ug/g | 0.022 ug/g | N/A |
| Pentachloronitrobenzene (Quintozene) | ND | N/A | 0.012 ug/g | 0.041 ug/g | N/A |
| trans-Chlordane | ND | N/A | 0.003 ug/g | 0.011 ug/g | N/A |
| Total Chlordanes* | 0.000 ug/g | N/A | N/A | N/A | N/A |

**Total Chlordanes is calculated as the sum of cis-Chlordane and trans-Chlordane.*