

# CERTIFICATE OF ANALYSIS

**SAMPLE NAME:** MIXED BERRY 4MG  
**SAMPLE CODE:** HEM-241210-020  
**CLIENT:** CLIMBING KITES  
**BATCH RESULT:** PASS

**MATRIX NAME:** Beverage  
**SAMPLE TYPE:** Compliance  
**RECEIVED DATE:** Mon, Dec 16, 2024  
**PUBLISHED DATE:** Fri, Dec 20, 2024  
**BATCH/LOT CODE:** 4234  
**BATCH SIZE:** N/A  
**SAMPLE SIZE:** 4U  
**AVERAGE UNIT WEIGHT:** 361.02g

**TOTAL CANNABINOIDS** 8.01 mg / serv

**TOTAL CBD** 4.02 mg / serv

**TOTAL THC** 3.99 mg / serv



POT



**Cannabinoids**  
Potency

SOL



**Residual Solvents**  
USP <467>

ECOLI



**Total E. Coli & Coliforms**  
Plate

AFLA



**Aflatoxins**  
USP <561>

TAMC



**Total Aerobic Bacteria**  
Plate

SAUR



**Staphylococcus aureus**  
Plate

HVMET



**Heavy Metals**  
4

TYMFD



**Total Yeast & Mold**  
Plate

CAPLC



**Chemical Residue**  
CA Hemp

CAPGC



**Chemical Residue**  
CA Hemp

## APPROVALS

### RESULTS REVIEWED BY:



**Leslie Varela**  
Laboratory Director

Cambium Analytica  
Friday, Dec 20, 2024

### RESULTS CERTIFIED BY:



**Douglas Smith**  
VP - Scientific Operations

Cambium Analytica  
Friday, Dec 20, 2024

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**POT** **CANNABINOIDS - POTENCY**  
 LAB-TM-025 - DETERMINATION OF POTENCY OF CANNABIS AND CANNABIS INFUSED PRODUCTS ACN  
 POT-HEM-241210-020-02 - WED, DEC 18, 2024



ANALYTE	VALUE	VALUE (MG/G)	PER SERVING	PER PACKAGE	ACTION LIMIT	LOD	LOQ	STATUS
CBD	0.0011 %	0.011 mg/g	4.02 mg	4.02 mg	N/A	0.6432 ug/g	5.401 ug/g	N/A
Delta-9 THC	0.0011 %	0.011 mg/g	3.99 mg	3.99 mg	N/A	0.4945 ug/g	1.516 ug/g	N/A
CBC	ND	N/A	N/A	N/A	N/A	0.4372 ug/g	4.843 ug/g	N/A
CBDA	ND	N/A	N/A	N/A	N/A	0.0886 ug/g	0.2949 ug/g	N/A
CBDV	ND	N/A	N/A	N/A	N/A	0.0919 ug/g	0.4418 ug/g	N/A
CBG	ND	N/A	N/A	N/A	N/A	0.2073 ug/g	0.8539 ug/g	N/A
CBGA	<LOQ	N/A	N/A	N/A	N/A	0.4596 ug/g	4.8149 ug/g	N/A
CBN	ND	N/A	N/A	N/A	N/A	0.3561 ug/g	4.3163 ug/g	N/A
Delta-8 THC	ND	N/A	N/A	N/A	N/A	0.4043 ug/g	4.5669 ug/g	N/A
Delta-8 THCV	ND	N/A	N/A	N/A	N/A	0.0504 ug/g	0.3393 ug/g	N/A
Delta-9 THCV	ND	N/A	N/A	N/A	N/A	0.2699 ug/g	0.4033 ug/g	N/A
THCA	ND	N/A	N/A	N/A	N/A	0.4497 ug/g	4.9472 ug/g	N/A
Total Cannabinoids*	0.0022 %	0.022 mg/g	8.01 mg	8.01 mg	N/A	N/A	N/A	N/A
Delta-9 THC + Delta-8 THC	0.0011 %	0.011 mg/g	3.99 mg	3.99 mg	N/A	N/A	N/A	N/A
Total CBD*	0.0011 %	0.011 mg/g	4.02 mg	4.02 mg	N/A	N/A	N/A	N/A
Total THC*	0.0011 %	N/A	3.99 mg	3.99 mg	N/A	N/A	N/A	N/A
Total THCV*	0 %	0 mg/g	0 mg	0 mg	N/A	N/A	N/A	N/A



SOL

## RESIDUAL SOLVENTS - USP &lt;467&gt;

LAB-TM-004 - DETERMINATION OF RESIDUAL SOLVENTS  
SOL-HEM-241210-020-01 - WED, DEC 18, 2024

ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
1,2-Dichloroethane	ND	N/A	0.4 ug/g	1.00 ug/g	N/A
2-Methylbutane	ND	N/A	1.54 ug/g	5.14 ug/g	N/A
2-Methylpentane	ND	N/A	0.046 ug/g	0.154 ug/g	N/A
2,2-Dimethylbutane	ND	N/A	0.98 ug/g	3.27 ug/g	N/A
2,3-Dimethylbutane	ND	N/A	2.19 ug/g	7.32 ug/g	N/A
3-Methylpentane	ND	N/A	0.73 ug/g	2.44 ug/g	N/A
Acetone	ND	N/A	1.57 ug/g	5.23 ug/g	N/A
Acetonitrile	ND	N/A	1.85 ug/g	6.17 ug/g	N/A
Benzene	ND	N/A	0.18 ug/g	0.50 ug/g	N/A
Butane	ND	N/A	1.68 ug/g	5.59 ug/g	N/A
Chloroform	ND	N/A	0.78 ug/g	1.00 ug/g	N/A
Ethanol	ND	N/A	6.02 ug/g	20.1 ug/g	N/A
Ethyl Acetate	ND	N/A	1.95 ug/g	6.49 ug/g	N/A
Ethyl Ether	ND	N/A	1.37 ug/g	4.55 ug/g	N/A
Ethylene Oxide	ND	N/A	0.15 ug/g	0.49 ug/g	N/A
Heptane	ND	N/A	1.31 ug/g	4.37 ug/g	N/A
Hexane	ND	N/A	1.42 ug/g	4.74 ug/g	N/A
Isobutane	ND	N/A	1.6 ug/g	5.34 ug/g	N/A
Isopropyl Alcohol	ND	N/A	4.9 ug/g	16.3 ug/g	N/A
Methanol	89.994 ug/g	N/A	7.89 ug/g	26.4 ug/g	N/A
Methylene Chloride	ND	N/A	1.36 ug/g	4.53 ug/g	N/A
Neopentane	ND	N/A	1.49 ug/g	4.97 ug/g	N/A
Pentane	ND	N/A	1.46 ug/g	4.87 ug/g	N/A
Propane	ND	N/A	1.95 ug/g	6.51 ug/g	N/A
Toluene	ND	N/A	1.88 ug/g	6.26 ug/g	N/A
Total Xylenes	ND	N/A	2.02 ug/g	6.72 ug/g	N/A
Trichloroethylene	ND	N/A	0.29 ug/g	0.96 ug/g	N/A
Butanes (Sum of Butane and Isobutane)	ND	N/A			N/A
Hexanes (Sum of Hexane, 2,2-Dimethylbutane, 2,3-Dimethylbutane, 2-Methylpentane, and 3-Methylpentane)	ND	N/A			N/A
Pentanes (Sum of Pentane, 2-Methylbutane, and Neopentane)	ND	N/A			N/A



**ECOLI**

**TOTAL E. COLI & COLIFORMS - PLATE**

LAB-TM-059 - ENUMERATION OF ESCHERICHIA COLI AND TOTAL COLIFORM IN FOODS AND DIETARY SUPPLEMENTS  
 ECOLI-HEM-241210-020-01 - WED, DEC 18, 2024



ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
E. coli	ND CFU/g	N/A CFU/g	10 CFU/g CFU/g	10 CFU/g CFU/g	N/A
Total Coliforms	ND CFU/g	N/A CFU/g	10 CFU/g CFU/g	10 CFU/g 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-241210-020-01 - WED, DEC 18, 2024



ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Aflatoxin B1	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
Aflatoxin G2	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
Aflatoxins (Sum of B1, B2, G1, and G2)	ND	N/A			N/A

**TAMC**

**TOTAL AEROBIC BACTERIA - PLATE**

LAB-TM-060 - ENUMERATION OF TOTAL AEROBIC COUNT IN FOODS AND DIETARY SUPPLEMENTS  
 TAMC-HEM-241210-020-01 - WED, DEC 18, 2024



ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Total Aerobic Count	ND	N/A	100 CFU/g	100 CFU/g	N/A

**SAUR**

**STAPHYLOCOCCUS AUREUS - PLATE**

LAB-TM-062 - ENUMERATION OF STAPHYLOCOCCUS AUREUS IN FOODS AND DIETARY SUPPLEMENTS  
 SAUR-HEM-241210-020-01 - WED, DEC 18, 2024



ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
S. aureus	ND	N/A	10 CFU/g	10 CFU/g	N/A

**HVMET**

**HEAVY METALS - 4**

LAB-TM-044 - DETERMINATION OF HEAVY METALS BY ICP-MS  
 HVMET-HEM-241210-020-01 - WED, DEC 18, 2024



ANALYTE	VALUE	VALUE (MG/G)	PER SERVING	PER PACKAGE	ACTION LIMIT	LOD	LOQ	STATUS
Arsenic	ND	N/A	N/A	N/A	N/A	0.198 ug/kg	0.662 ug/kg	N/A
Cadmium	<LOQ	N/A	N/A	N/A	N/A	0.082 ug/kg	0.272 ug/kg	N/A
Lead	<LOQ	N/A	N/A	N/A	N/A	0.155 ug/kg	0.515 ug/kg	N/A
Mercury	0 ug/g	0 mg/g	0.08 ug	0.08 ug	N/A	0.017 ug/kg	0.057 ug/kg	N/A



TYMFD

**TOTAL YEAST & MOLD - PLATE**LAB-TM-061 - ENUMERATION OF YEAST AND MOLD IN FOODS AND DIETARY SUPPLEMENTS  
TYMFD-HEM-241210-020-01 - THU, DEC 19, 2024

ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Total Yeast and Mold	ND	N/A	100 CFU/g	100 CFU/g	N/A



CAPLC

## CHEMICAL RESIDUE - CA HEMP - LC/TQ

LAB-TM-105 - DETERMINATION OF CHEMICAL RESIDUE BY LC-TQ - CALIFORNIA RESIDUAL PESTICIDE LIST  
CAPLC-HEM-241210-020-01 - THU, DEC 19, 2024

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
Bifentazate	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
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	0.313 ug/g	0.625 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	ND	N/A	0.063 ug/g	0.125 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
Fonicamid	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
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





**CHEMICAL RESIDUE - CA HEMP - LC/TQ**

LAB-TM-105 - DETERMINATION OF CHEMICAL RESIDUE BY LC-TQ - CALIFORNIA RESIDUAL PESTICIDE LIST  
 CAPLC-HEM-241210-020-01 - THU, DEC 19, 2024

ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
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
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- 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 (Sum of Cinerin 1, Jasmolin 1, and Pyrethrin 1)	ND	N/A	0.063 ug/g	0.125 ug/g	N/A
Pyridaben	ND	N/A	0.063 ug/g	0.125 ug/g	N/A
Spinetoram	ND	N/A	0.063 ug/g	0.125 ug/g	N/A
Spinosad	ND	N/A	0.063 ug/g	0.125 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
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



CAPGC

**CHEMICAL RESIDUE - CA HEMP - GC/TQ**LAB-TM-109 - DETERMINATION OF CHEMICAL RESIDUE BY GC-TQ - CALIFORNIA RESIDUAL PESTICIDE LIST  
CAPGC-HEM-241210-020-01 - FRI, DEC 20, 2024

ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Captan	ND	N/A	0.030 µg/g	0.102 µg/g	N/A
Chlordane -cis	ND	N/A	0.004 µg/g	0.013 µg/g	N/A
Chlordane -trans	ND	N/A	0.003 µg/g	0.011 µg/g	N/A
Chlorfenapyr	ND	N/A	0.014 µg/g	0.048 µg/g	N/A
Methyl Parathion	ND	N/A	0.008 µg/g	0.022 µg/g	N/A
Pentachloronitrobenzene	ND	N/A	0.012 µg/g	0.041 µg/g	N/A
Chlordane (Sum of -Cis, Trans)	ND	N/A			N/A

