

# CERTIFICATE OF ANALYSIS

**SAMPLE NAME:** ORANGE MANGO 2.5MG  
**SAMPLE CODE:** HEM-241216-005  
**CLIENT:** CLIMBING KITES  
**BATCH RESULT:** PASS

**MATRIX NAME:** Beverage  
**SAMPLE TYPE:** Compliance  
**RECEIVED DATE:** Fri, Dec 20, 2024  
**PUBLISHED DATE:** Mon, Dec 30, 2024  
**BATCH/LOT CODE:** NCKO01  
**BATCH SIZE:** N/A  
**SAMPLE SIZE:** 8U  
**AVERAGE UNIT WEIGHT:** 355g

**TOTAL CANNABINOIDS** 5.76 mg / serv

**TOTAL CBD** 2.68 mg / serv

**TOTAL THC** 2.71 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

**SS** ✓  
**Salmonella & STEC**  
qPCR

**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  
Monday, Dec 30, 2024

### RESULTS CERTIFIED BY:



**Douglas Smith**  
VP - Scientific Operations

Cambium Analytica  
Monday, Dec 30, 2024

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POT

**CANNABINOIDS - POTENCY**

LAB-TM-025 - DETERMINATION OF POTENCY OF CANNABIS AND CANNABIS INFUSED PRODUCTS  
 POT-HEM-241216-005-02 - FRI, DEC 27, 2024



ANALYTE	VALUE	VALUE (MG/G)	PER SERVING	PER PACKAGE	ACTION LIMIT	LOD	LOQ	STATUS
CBD	0.0008 %	0.008 mg/g	2.68 mg	2.68 mg	N/A	0.6432 ug/g	0.5401 ug/g	N/A
Delta-9 THC	0.0008 %	0.008 mg/g	2.71 mg	2.71 mg	N/A	0.4945 ug/g	0.1516 ug/g	N/A
CBG	0.0001 %	0.001 mg/g	0.37 mg	0.37 mg	N/A	0.2073 ug/g	0.4854 ug/g	N/A
CBC	ND	N/A	N/A	N/A	N/A	0.4372 ug/g	0.4843 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
CBGA	ND	N/A	N/A	N/A	N/A	0.4596 ug/g	0.4815 ug/g	N/A
CBN	ND	N/A	N/A	N/A	N/A	0.3561 ug/g	0.4316 ug/g	N/A
Delta-8 THC	ND	N/A	N/A	N/A	N/A	0.4043 ug/g	0.4567 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	0.4947 ug/g	N/A
Total Cannabinoids*	0.0016 %	0.016 mg/g	5.76 mg	5.76 mg	N/A	N/A	N/A	N/A
Delta-9 THC + Delta-8 THC	0.0008 %	0.008 mg/g	2.71 mg	2.71 mg	N/A	N/A	N/A	N/A
Total CBD*	0.0008 %	0.008 mg/g	2.68 mg	2.68 mg	N/A	N/A	N/A	N/A
Total THC*	0.0008 %	0.008 mg/g	2.71 mg	2.71 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 <467>**

LAB-TM-004 - DETERMINATION OF RESIDUAL SOLVENTS  
SOL-HEM-241216-005-01 - THU, DEC 26, 2024



ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
1,2-Dichloroethane	ND	5.0 ug/g	0.4 ug/g	1.00 ug/g	PASS
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	5000.0 ug/g	1.57 ug/g	5.23 ug/g	PASS
Acetonitrile	ND	410.0 ug/g	1.85 ug/g	6.17 ug/g	PASS
Benzene	ND	2.0 ug/g	0.18 ug/g	0.50 ug/g	PASS
Butane	ND	N/A	1.68 ug/g	5.59 ug/g	N/A
Chloroform	ND	60.0 ug/g	0.78 ug/g	1.00 ug/g	PASS
Ethanol	893.176 ug/g	5000.0 ug/g	6.02 ug/g	20.1 ug/g	PASS
Ethyl Acetate	ND	5000.0 ug/g	1.95 ug/g	6.49 ug/g	PASS
Ethyl Ether	ND	5000.0 ug/g	1.37 ug/g	4.55 ug/g	PASS
Ethylene Oxide	ND	N/A	0.15 ug/g	0.49 ug/g	N/A
Heptane	ND	5000.0 ug/g	1.31 ug/g	4.37 ug/g	PASS
Hexane	ND	290.0 ug/g	1.42 ug/g	4.74 ug/g	PASS
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	ND	3000.0 ug/g	7.89 ug/g	26.4 ug/g	PASS
Methylene Chloride	ND	600.0 ug/g	1.36 ug/g	4.53 ug/g	PASS
Neopentane	ND	N/A	1.49 ug/g	4.97 ug/g	N/A
Pentane	ND	5000.0 ug/g	1.46 ug/g	4.87 ug/g	PASS
Propane	ND	N/A	1.95 ug/g	6.51 ug/g	N/A
Toluene	ND	890.0 ug/g	1.88 ug/g	6.26 ug/g	PASS
Total Xylenes	ND	2170.0 ug/g	2.02 ug/g	6.72 ug/g	PASS
Trichloroethylene	ND	80.0 ug/g	0.29 ug/g	0.96 ug/g	PASS
Butanes (Sum of Butane and Isobutane)	0 ug/g	N/A	N/A	N/A	N/A
Hexanes (Sum of Hexane, 2,2-Dimethylbutane, 2,3-Dimethylbutane, 2-Methylpentane, and 3-Methylpentane)	0 ug/g	290.0 ug/g	N/A	N/A	PASS
Pentanes (Sum of Pentane, 2-Methylbutane, and Neopentane)	0 ug/g	5000.0 ug/g	N/A	N/A	PASS



**ECOLI** **TOTAL E. COLI & COLIFORMS - PLATE**  
 LAB-TM-059 - ENUMERATION OF ESCHERICHIA COLI AND TOTAL COLIFORM IN FOODS AND DIETARY SUPPLEMENTS  
 ECOLI-HEM-241216-005-01 - THU, DEC 26, 2024



ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
E. coli	ND	Detection	1 CFU/g	1 CFU/g	PASS
Total Coliforms	ND	N/A	1 CFU/g	1 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-241216-005-01 - FRI, DEC 27, 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)	0 ug/g	N/A	N/A	N/A	N/A

**TAMC** **TOTAL AEROBIC BACTERIA - PLATE**  
 LAB-TM-060 - ENUMERATION OF TOTAL AEROBIC COUNT IN FOODS AND DIETARY SUPPLEMENTS  
 TAMC-HEM-241216-005-01 - THU, DEC 26, 2024



ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Total Aerobic Count	ND	10000.0 CFU/g	1 CFU/g	1 CFU/g	PASS

**SS** **SALMONELLA & STEC- QPCR**  
 LAB-TM-006 - MICROBIAL ANALYSIS BY QPCR  
 SS-HEM-241216-005-01 - MON, JAN 13, 2025



ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Salmonella Spp	ND	Detection	N/A	N/A	PASS
Shiga Toxin Producing E. coli	ND	Detection	N/A	N/A	PASS

**SAUR** **STAPHYLOCOCCUS AUREUS - PLATE**  
 LAB-TM-062 - ENUMERATION OF STAPHYLOCOCCUS AUREUS IN FOODS AND DIETARY SUPPLEMENTS  
 SAUR-HEM-241216-005-01 - THU, DEC 26, 2024



ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
S. aureus	ND	Detection	1 CFU/g	1 CFU/g	PASS



HVMET

**HEAVY METALS - 4**LAB-TM-044 - DETERMINATION OF HEAVY METALS BY ICP-MS  
HVMET-HEM-241216-005-01 - FRI, DEC 27, 2024

ANALYTE	VALUE	VALUE (MG/G)	PER SERVING	PER PACKAGE	ACTION LIMIT	LOD	LOQ	STATUS
Arsenic	ND	N/A	N/A	N/A	1.5 ug/g	0.198 ug/kg	0.662 ug/kg	PASS
Cadmium	ND	N/A	N/A	N/A	0.5 ug/g	0.082 ug/kg	0.272 ug/kg	PASS
Lead	0.001 ug/g	0 mg/g	0.28 ug	0.28 ug	0.5 ug/g	0.155 ug/kg	0.515 ug/kg	PASS
Mercury	ND	N/A	N/A	N/A	3.0 ug/g	0.017 ug/kg	0.057 ug/kg	PASS

TYMFD

**TOTAL YEAST & MOLD - PLATE**LAB-TM-061 - ENUMERATION OF YEAST AND MOLD IN FOODS AND DIETARY SUPPLEMENTS  
TYMFD-HEM-241216-005-01 - THU, DEC 26, 2024

ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Total Yeast and Mold	ND	1000.0 CFU/g	1 CFU/g	1 CFU/g	PASS



CAPLC

## CHEMICAL RESIDUE - CA HEMP - LC/TQ

LAB-TM-105 - DETERMINATION OF CHEMICAL RESIDUE BY LC-TQ - CALIFORNIA RESIDUAL PESTICIDE LIST  
CAPLC-HEM-241216-005-01 - FRI, DEC 27, 2024

ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Abamectin	ND	0.3 ug/g	0.063 ug/g	0.125 ug/g	PASS
Acephate	ND	5.0 ug/g	0.063 ug/g	0.125 ug/g	PASS
Acequinocyl	ND	4.0 ug/g	0.063 ug/g	0.125 ug/g	PASS
Acetamiprid	ND	5.0 ug/g	0.063 ug/g	0.125 ug/g	PASS
Aldicarb	ND	Detection	0.063 ug/g	0.125 ug/g	PASS
Azoxystrobin	ND	40.0 ug/g	0.063 ug/g	0.125 ug/g	PASS
Bifenazate	ND	5.0 ug/g	0.063 ug/g	0.125 ug/g	PASS
Bifenthrin	ND	0.5 ug/g	0.063 ug/g	0.125 ug/g	PASS
Boscalid	ND	10.0 ug/g	0.063 ug/g	0.125 ug/g	PASS
Carbaryl	ND	0.5 ug/g	0.063 ug/g	0.125 ug/g	PASS
Carbofuran	ND	Detection	0.063 ug/g	0.125 ug/g	PASS
Chlorantraniliprole	ND	40.0 ug/g	0.063 ug/g	0.125 ug/g	PASS
Chlorpyrifos	ND	Detection	0.063 ug/g	0.125 ug/g	PASS
Clofentezine	ND	0.5 ug/g	0.063 ug/g	0.125 ug/g	PASS
Coumaphos	ND	Detection	0.063 ug/g	0.125 ug/g	PASS
Cyfluthrin	ND	1.0 ug/g	0.313 ug/g	0.625 ug/g	PASS
Cypermethrin	ND	1.0 ug/g	0.063 ug/g	0.125 ug/g	PASS
Daminozide	ND	Detection	0.063 ug/g	0.125 ug/g	PASS
Diazinon	ND	0.2 ug/g	0.063 ug/g	0.125 ug/g	PASS
Dichlorvos	ND	Detection	0.063 ug/g	0.125 ug/g	PASS
Dimethoate	ND	Detection	0.063 ug/g	0.125 ug/g	PASS
Dimethomorph	ND	20.0 ug/g	0.063 ug/g	0.125 ug/g	PASS
Ethoprophos	ND	Detection	0.063 ug/g	0.125 ug/g	PASS
Etofenprox	ND	Detection	0.063 ug/g	0.125 ug/g	PASS
Etoxazole	ND	1.5 ug/g	0.063 ug/g	0.125 ug/g	PASS
Fenhexamid	ND	10.0 ug/g	0.063 ug/g	0.125 ug/g	PASS
Fenoxycarb	ND	Detection	0.063 ug/g	0.125 ug/g	PASS
Fenpyroximate	ND	2.0 ug/g	0.063 ug/g	0.125 ug/g	PASS
Fipronil	ND	Detection	0.063 ug/g	0.125 ug/g	PASS
Fonicamid	ND	2.0 ug/g	0.063 ug/g	0.125 ug/g	PASS
Fludioxonil	ND	30.0 ug/g	0.063 ug/g	0.125 ug/g	PASS
Hexythiazox	ND	2.0 ug/g	0.063 ug/g	0.125 ug/g	PASS
Imazalil	ND	Detection	0.063 ug/g	0.125 ug/g	PASS
Imidacloprid	ND	3.0 ug/g	0.063 ug/g	0.125 ug/g	PASS
Kresoxim Methyl	ND	1.0 ug/g	0.063 ug/g	0.125 ug/g	PASS



CAPLC

## CHEMICAL RESIDUE - CA HEMP - LC/TQ

LAB-TM-105 - DETERMINATION OF CHEMICAL RESIDUE BY LC-TQ - CALIFORNIA RESIDUAL PESTICIDE LIST  
CAPLC-HEM-241216-005-01 - FRI, DEC 27, 2024

ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Malathion	ND	5.0 ug/g	0.063 ug/g	0.125 ug/g	PASS
Metalaxyl	ND	15.0 ug/g	0.063 ug/g	0.125 ug/g	PASS
Methiocarb	ND	Detection	0.063 ug/g	0.125 ug/g	PASS
Methomyl	ND	0.1 ug/g	0.063 ug/g	0.125 ug/g	PASS
Mevinphos	ND	Detection	0.063 ug/g	0.125 ug/g	PASS
Myclobutanil	ND	9.0 ug/g	0.063 ug/g	0.125 ug/g	PASS
Naled	ND	0.5 ug/g	0.063 ug/g	0.125 ug/g	PASS
Oxamyl	ND	0.2 ug/g	0.063 ug/g	0.125 ug/g	PASS
Paclobutrazol	ND	Detection	0.063 ug/g	0.125 ug/g	PASS
Permethrins (Sum of Cis- and Trans-Permethrin)	ND	20.0 ug/g	0.063 ug/g	0.125 ug/g	PASS
Phosmet	ND	0.2 ug/g	0.063 ug/g	0.125 ug/g	PASS
Piperonyl Butoxide	ND	8.0 ug/g	0.063 ug/g	0.125 ug/g	PASS
Prallethrin	ND	0.4 ug/g	0.063 ug/g	0.125 ug/g	PASS
Propiconazole	ND	20.0 ug/g	0.063 ug/g	0.125 ug/g	PASS
Propoxur	ND	Detection	0.063 ug/g	0.125 ug/g	PASS
Pyrethrins (Sum of Cinerin 1, Jasmolin 1, and Pyrethrin 1)	ND	1.0 ug/g	0.063 ug/g	0.125 ug/g	PASS
Pyridaben	ND	3.0 ug/g	0.063 ug/g	0.125 ug/g	PASS
Spinetoram	ND	3.0 ug/g	0.063 ug/g	0.125 ug/g	PASS
Spinosad	ND	3.0 ug/g	0.063 ug/g	0.125 ug/g	PASS
Spiromesifen	ND	12.0 ug/g	0.063 ug/g	0.125 ug/g	PASS
Spirotetramat	ND	13.0 ug/g	0.063 ug/g	0.125 ug/g	PASS
Spiroxamine	ND	Detection	0.063 ug/g	0.125 ug/g	PASS
Tebuconazole	ND	2.0 ug/g	0.063 ug/g	0.125 ug/g	PASS
Thiacloprid	ND	Detection	0.063 ug/g	0.125 ug/g	PASS
Thiamethoxam	ND	4.5 ug/g	0.063 ug/g	0.125 ug/g	PASS
Trifloxystrobin	ND	30.0 ug/g	0.063 ug/g	0.125 ug/g	PASS



CAPGC

**CHEMICAL RESIDUE - CA HEMP - GC/TQ**LAB-TM-109 - DETERMINATION OF CHEMICAL RESIDUE BY GC-TQ - CALIFORNIA RESIDUAL PESTICIDE LIST  
CAPGC-HEM-241216-005-01 - MON, DEC 30, 2024

ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Captan	ND	5.0 ug/g	0.030 ug/g	0.102 ug/g	PASS
Chlordane-cis	ND	N/A	0.004 ug/g	0.013 ug/g	N/A
Chlordane-trans	ND	N/A	0.003 ug/g	0.011 ug/g	N/A
Chlorfenapyr	ND	Detection	0.014 ug/g	0.048 ug/g	PASS
Methyl Parathion	ND	Detection	0.008 ug/g	0.022 ug/g	PASS
Pentachloronitrobenzene	ND	0.2 ug/g	0.012 ug/g	0.041 ug/g	PASS
Chlordane (Sum of -Cis, Trans)	0 ug/g	Detection	N/A	N/A	PASS

