

CERTIFICATE OF ANALYSIS



SAMPLE NAME: PINEAPPLE PASSION FRUIT 4MG
SAMPLE CODE: HEM-250501-005
CLIENT: CLIMBING KITES
BATCH RESULT: PASS

1230 Woodmere Ave
Traverse City, MI 49686
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MATRIX NAME: Beverage
SAMPLE TYPE: Compliance
RECEIVED DATE: Wed, May 7, 2025
PUBLISHED DATE: Tue, May 13, 2025
BATCH/LOT CODE: 5112
BATCH SIZE: N/A
SAMPLE SIZE: 1497.6g
AVERAGE UNIT WEIGHT: 355g

TOTAL CANNABINOIDS 7.36 mg / serv

TOTAL CBD 3.70 mg / serv

TOTAL THC 3.67 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
Tuesday, May 13, 2025

RESULTS CERTIFIED BY:

Douglas Smith
VP - Scientific Operations

Cambium Analytica
Tuesday, May 13, 2025

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ANALYTE	VALUE	VALUE (MG/G)	PER SERVING	PER PACKAGE	ACTION LIMIT	LOD	LOQ	STATUS
CBD	0.0010 %	0.0104 mg/g	3.70 mg	3.70 mg	N/A	0.5 ug/g	1 ug/g	N/A
Delta-9 THC	0.0010 %	0.0103 mg/g	3.67 mg	3.67 mg	N/A	0.5 ug/g	1 ug/g	N/A
(6aR,9R)-Delta-10 THC	ND	N/A	N/A	N/A	N/A	0.5 ug/g	1 ug/g	N/A
(6aR,9S)-Delta-10 THC	ND	N/A	N/A	N/A	N/A	0.5 ug/g	1 ug/g	N/A
CBC	ND	N/A	N/A	N/A	N/A	0.5 ug/g	1 ug/g	N/A
CBDA	ND	N/A	N/A	N/A	N/A	0.5 ug/g	1 ug/g	N/A
CBDV	ND	N/A	N/A	N/A	N/A	0.5 ug/g	1 ug/g	N/A
CBG	ND	N/A	N/A	N/A	N/A	0.5 ug/g	1 ug/g	N/A
CBGA	ND	N/A	N/A	N/A	N/A	0.5 ug/g	1 ug/g	N/A
CBN	ND	N/A	N/A	N/A	N/A	0.5 ug/g	1 ug/g	N/A
Delta-8 THC	ND	N/A	N/A	N/A	N/A	0.5 ug/g	1 ug/g	N/A
Delta-8 THCV	ND	N/A	N/A	N/A	N/A	0.5 ug/g	1 ug/g	N/A
Delta-9 THCV	ND	N/A	N/A	N/A	N/A	0.5 ug/g	1 ug/g	N/A
THCA	ND	N/A	N/A	N/A	N/A	0.5 ug/g	1 ug/g	N/A
Total Cannabinoids*	0.0021 %	0.0207 mg/g	7.36 mg	7.36 mg	N/A	N/A	N/A	N/A
Delta-9 THC + Delta-8 THC	0.0010 %	0.0103 mg/g	3.67 mg	3.67 mg	N/A	N/A	N/A	N/A
Total CBD*	0.0010 %	0.0104 mg/g	3.70 mg	3.70 mg	N/A	N/A	N/A	N/A
Total THC*	0.0010 %	0.0103 mg/g	3.67 mg	3.67 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.





ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
1,2-Dichloroethane	ND	5 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 ug/g	10.5 ug/g	31.25 ug/g	PASS
Acetonitrile	ND	410 ug/g	5.15 ug/g	10.25 ug/g	PASS
Benzene	ND	2 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 ug/g	0.78 ug/g	1.00 ug/g	PASS
Ethanol	1080.197 ug/g	5000 ug/g	15.6 ug/g	31.8 ug/g	PASS
Ethyl Acetate	ND	5000 ug/g	1.95 ug/g	6.49 ug/g	PASS
Ethyl Ether	ND	5000 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 ug/g	1.31 ug/g	4.37 ug/g	PASS
Hexane	ND	290 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	10.93 ug/g	30.24 ug/g	N/A
Methanol	90.759 ug/g	3000 ug/g	10.2 ug/g	30.6 ug/g	PASS
Methylene Chloride	ND	600 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 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 ug/g	12.5 ug/g	25.2 ug/g	PASS
Total Xylenes	ND	2170 ug/g	10.25 ug/g	30.75 ug/g	PASS
Trichloroethylene	ND	80 ug/g	0.29 ug/g	0.96 ug/g	PASS
Butanes (Sum of Butane and Isobutane)	0.000 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)	0.000 ug/g	290 ug/g	N/A	N/A	PASS
Pentanes (Sum of Pentane, 2-Methylbutane, and Neopentane)	0.000 ug/g	5000 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-250501-005-01 - SAT, MAY 10, 2025

ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
E. coli	ND	Detection	10 CFU/g	10 CFU/g	PASS
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-250501-005-01 - MON, MAY 12, 2025

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)	0.000 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-250501-005-01 - SAT, MAY 10, 2025

ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Total Aerobic Count	ND	10000 CFU/g	10 CFU/g	10 CFU/g	PASS

SS

SALMONELLA & STEC- QPCR

LAB-TM-006 - MICROBIAL ANALYSIS BY QPCR

SS-HEM-250501-005-01 - SAT, MAY 10, 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-250501-005-01 - SAT, MAY 10, 2025

ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
S. aureus	ND	Detection	10 CFU/g	10 CFU/g	PASS

HVMET

HEAVY METALS - 4

LAB-TM-044 - DETERMINATION OF HEAVY METALS BY ICP-MS

HVMET-HEM-250501-005-01 - FRI, MAY 9, 2025

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	0.001 ug/g	0.000 mg/g	0.20 ug	0.20 ug	0.5 ug/g	0.082 ug/kg	0.272 ug/kg	PASS
Lead	ND	N/A	N/A	N/A	0.5 ug/g	0.155 ug/kg	0.515 ug/kg	PASS
Mercury	0.000 ug/g	0.000 mg/g	0.10 ug	0.10 ug	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-250501-005-01 - MON, MAY 12, 2025



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	1000 CFU/g	10 CFU/g	10 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-250501-005-01 - FRI, MAY 9, 2025

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
Flonicamid	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-250501-005-01 - FRI, MAY 9, 2025

ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Malathion	ND	5.0 ug/g	0.063 ug/g	0.125 ug/g	PASS
Metaxyl	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-250501-005-01 - FRI, MAY 9, 2025

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)	0.000 ug/g	Detection	N/A	N/A	PASS

