

Certificate of Analysis

Sample Name: Key Lime Kiwi 4mg
Client: Climbing Kites
Sample Code: HEM-250707-022
Matrix Name: Beverage
Type / Result: Compliance - Pass



Received Date: Mon, Jul 14, 2025
Published Date: Mon, Jul 21, 2025
Batch/Lot Code: 5188
Batch Size: N/A
Sample Size: 2965.09 g
Average Unit Weight: 355 g

RESULT SUMMARY	
Total Cannabinoids	7.74 mg/serv
Total CBD	4 mg/serv
Total THC	3.76 mg/serv

POT Cannabinoids Potency	SOL Residual Solvents USP <467>	ECOLI Total Coliforms & E. coli Plate	AFLA Aflatoxins USP <561>	TAMC Total Aerobic Bacteria Plate
SS Salmonella & STEC qPCR	SAUR Staphylococcus aureus Plate	TYMFD Total Yeast & Mold Plate	HVMET Heavy Metals Big 4	CAPLC Chemical Residue CA Hemp
CAPGC Chemical Residue CA Hemp				

Approvals

RESULTS REVIEWED BY:



Leslie Varela
Laboratory Director

Cambium Analytica

Mon, Jul 21, 2025

RESULTS CERTIFIED BY:



Douglas Smith
VP - Scientific Operations

Cambium Analytica

Mon, Jul 21, 2025

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POT

Cannabinoids - Potency

LAB-TM-025 - Determination of Potency of Cannabis and Cannabis Infused Products

POT-HEM-250707-022-02 - WED, JUL 16, 2025

Analyte	Value	Value (mg)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
CBD	0.0011 %	0.0113 mg/g	4 mg	4 mg	N/A	0.5 ug/g	1 ug/g	N / A
Delta-9 THC	0.0011 %	0.0106 mg/g	3.76 mg	3.76 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
THCA	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
Total Cannabinoids*	0.0022 %	0.0218 mg/g	7.74 mg	7.74 mg	N/A	N/A	N/A	N / A
Total CBD*	0.0011 %	0.0113 mg/g	4 mg	4 mg	N/A	N/A	N/A	N / A
Delta-9 THC + Delta-8 THC	0.0011 %	0.0106 mg/g	3.76 mg	3.76 mg	N/A	N/A	N/A	N / A
Total THC*	0.0011 %	0.0106 mg/g	3.76 mg	3.76 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

** 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.*

SOL

Residual Solvents - USP <467>

LAB-TM-004 - Determination of Residual Solvents

SOL-HEM-250707-022-01 - FRI, JUL 18, 2025

Analyte	Value	Action Limit	LOD	LOQ	Status
1,2-Dichloroethane	ND	5 ug/g	0.5 ug/g	1 ug/g	Pass
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
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
3-Methylpentane	ND	N/A	0.73 ug/g	2.44 ug/g	N / A
Acetone	ND	5000 ug/g	1.57 ug/g	5.23 ug/g	Pass
Acetonitrile	ND	410 ug/g	1.85 ug/g	6.17 ug/g	Pass
Benzene	ND	2 ug/g	0.18 ug/g	0.5 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 ug/g	Pass
Ethanol	3146.282 ug/g	5000 ug/g	6.02 ug/g	20.1 ug/g	Pass
Ethyl Acetate	29.154 ug/g	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

References: Modified USP <467>

SOL

Residual Solvents - USP <467>

LAB-TM-004 - Determination of Residual Solvents

SOL-HEM-250707-022-01 - FRI, JUL 18, 2025



Analyte	Value	Action Limit	LOD	LOQ	Status
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	4.9 ug/g	16.3 ug/g	N / A
Methanol	ND	3000 ug/g	7.89 ug/g	26.4 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	1.88 ug/g	6.26 ug/g	Pass
Total Xylenes	ND	2170 ug/g	2.02 ug/g	6.72 ug/g	Pass
Trichloroethylene	ND	80 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 ug/g	N/A	N/A	Pass
Pentanes (Sum of Pentane, 2-Methylbutane, and Neopentane)	0 ug/g	5000 ug/g	N/A	N/A	Pass

References: Modified USP <467>

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-250707-022-01 - MON, JUL 21, 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-250707-022-01 - MON, JUL 21, 2025



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 B2	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 G1	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 - 25g - Full Range

LAB-TM-060 - Enumeration of Total Aerobic Count in Foods and Dietary Supplements

TAMC-HEM-250707-022-01 - FRI, JUL 18, 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-250707-022-01 - FRI, JUL 18, 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 - 25g

LAB-TM-062 - Enumeration of Staphylococcus aureus in Foods and Dietary Supplements

SAUR-HEM-250707-022-01 - FRI, JUL 18, 2025

Analyte	Value	Action Limit	LOD	LOQ	Status
S. aureus	ND	Detection	10 CFU/g	10 CFU/g	Pass

TYMFD

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

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

TYMFD-HEM-250707-022-01 - FRI, JUL 18, 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

HVMET

Heavy Metals - Big 4

LAB-TM-044 - Determination of Heavy Metals by ICP-MS

HVMET-HEM-250707-022-01 - FRI, JUL 18, 2025

Analyte	Value	Value (mg)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
Arsenic	ND	N/A	N/A	N/A	1.5 ug/g	0.509 ug/kg	2.062 ug/kg	Pass
Cadmium	ND	N/A	N/A	N/A	0.5 ug/g	0.256 ug/kg	0.509 ug/kg	Pass
Lead	ND	N/A	N/A	N/A	0.5 ug/g	0.255 ug/kg	0.515 ug/kg	Pass
Mercury	ND	N/A	N/A	N/A	3 ug/g	0.025 ug/kg	0.057 ug/kg	Pass

CAPLC

Chemical Residue - CA Hemp - LC/TQ

LAB-TM-105 - Determination of Chemical Residue by LC-TQ - California Residual Pesticide List

CAPLC-HEM-250707-022-01 - FRI, JUL 18, 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 ug/g	0.063 ug/g	0.125 ug/g	Pass
Acequinocyl	ND	4 ug/g	0.063 ug/g	0.125 ug/g	Pass
Acetamiprid	ND	5 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 ug/g	0.063 ug/g	0.125 ug/g	Pass
Bifenazate	ND	5 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 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 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

CAPLC

Chemical Residue - CA Hemp - LC/TQ

LAB-TM-105 - Determination of Chemical Residue by LC-TQ - California Residual Pesticide List

CAPLC-HEM-250707-022-01 - FRI, JUL 18, 2025

Analyte	Value	Action Limit	LOD	LOQ	Status
Coumaphos	ND	Detection	0.063 ug/g	0.125 ug/g	Pass
Cyfluthrin	ND	1 ug/g	0.313 ug/g	0.625 ug/g	Pass
Cypermethrin	ND	1 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 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 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 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 ug/g	0.063 ug/g	0.125 ug/g	Pass
Fludioxonil	ND	30 ug/g	0.063 ug/g	0.125 ug/g	Pass
Hexythiazox	ND	2 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 ug/g	0.063 ug/g	0.125 ug/g	Pass
Kresoxim Methyl	ND	1 ug/g	0.063 ug/g	0.125 ug/g	Pass
Malathion	ND	5 ug/g	0.063 ug/g	0.125 ug/g	Pass
Metalaxyl	ND	15 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 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 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 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 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 ug/g	0.063 ug/g	0.125 ug/g	Pass
Pyridaben	ND	3 ug/g	0.063 ug/g	0.125 ug/g	Pass
Spinetoram	ND	3 ug/g	0.063 ug/g	0.125 ug/g	Pass
Spinosad	ND	3 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-250707-022-01 - FRI, JUL 18, 2025					
Analyte	Value	Action Limit	LOD	LOQ	Status
Spiromesifen	ND	12 ug/g	0.063 ug/g	0.125 ug/g	Pass
Spirotetramat	ND	13 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 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 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-250707-022-01 - FRI, JUL 18, 2025					
Analyte	Value	Action Limit	LOD	LOQ	Status
Captan	ND	5 ug/g	0.03 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	0.015 ug/g	0.048 ug/g	Pass
Methyl Parathion	ND	Detection	0.008 ug/g	0.021 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