

CERTIFICATE OF ANALYSIS



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SAMPLE NAME: L03-C-032125-01
SAMPLE CODE: HEM-250321-001
CLIENT: PERFECTLY DOSED
BATCH RESULT: PASS

MATRIX NAME: Emulsion - Liquid
SAMPLE TYPE: Quality Assurance
RECEIVED DATE: Wed, Mar 26, 2025
PUBLISHED DATE: Fri, Mar 28, 2025
BATCH/LOT CODE: L03-C-032125-01
BATCH SIZE: N/A
SAMPLE SIZE: 1U

TOTAL CBD 5.1576 %

TOTAL CANNABINOIDS 5.1576 %

TOTAL THC 0.0000 %



POT



Cannabinoids
Potency

SOL



Residual Solvents
USP <467>

ASP



Aspergillus
qPCR

AFLA



Aflatoxins
USP <561>

SS



Salmonella & STEC
qPCR

HPMET



Heavy Metals
7

CAPLC



Chemical Residue
CA Hemp

CAPGC



Chemical Residue
CA Hemp

APPROVALS

RESULTS REVIEWED BY:

Leslie Varela
Laboratory Director

Cambium Analytica
Friday, Mar 28, 2025

RESULTS CERTIFIED BY:

Douglas Smith
VP - Scientific Operations

Cambium Analytica
Friday, Mar 28, 2025

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ANALYTE	VALUE	VALUE (MG/G)	ACTION LIMIT	LOD	LOQ	STATUS
CBD	5.1576 %	51.576 mg/g	N/A	100 ug/g	200 ug/g	N/A
(6aR,9R)-Delta-10 THC	ND	N/A	N/A	100 ug/g	200 ug/g	N/A
(6aR,9S)-Delta-10 THC	ND	N/A	N/A	100 ug/g	200 ug/g	N/A
CBC	ND	N/A	N/A	100 ug/g	200 ug/g	N/A
CBDA	ND	N/A	N/A	100 ug/g	200 ug/g	N/A
CBDV	ND	N/A	N/A	100 ug/g	200 ug/g	N/A
CBG	ND	N/A	N/A	100 ug/g	200 ug/g	N/A
CBGA	ND	N/A	N/A	100 ug/g	200 ug/g	N/A
CBN	ND	N/A	N/A	100 ug/g	200 ug/g	N/A
Delta-8 THC	ND	N/A	N/A	100 ug/g	200 ug/g	N/A
Delta-8 THCV	ND	N/A	N/A	100 ug/g	200 ug/g	N/A
Delta-9 THC	ND	N/A	N/A	100 ug/g	200 ug/g	N/A
Delta-9 THCV	ND	N/A	N/A	100 ug/g	200 ug/g	N/A
THCA	ND	N/A	N/A	100 ug/g	200 ug/g	N/A
Total CBD*	5.1576 %	51.576 mg/g	N/A	N/A	N/A	N/A
Total Cannabinoids*	5.1576 %	51.576 mg/g	N/A	N/A	N/A	N/A
Delta-9 THC + Delta-8 THC	0.0000 %	0.000 mg/g	N/A	N/A	N/A	N/A
Total THCV*	0.0000 %	0.000 mg/g	N/A	N/A	N/A	N/A
Total THC*	0.0000 %	0.000 mg/g	N/A	N/A	N/A	N/A

Total CBD is calculated as the sum of CBD and 0.877(CBDA).

*Total Cannabinoids is calculated as the sum of all quantified cannabinoids.

*Total THCV is calculated as the sum of Delta-8 THCV and Delta-9 THCV.

Total THC is calculated as the sum of Delta-9 THC, Delta-8 THC, and 0.877(THCA).





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	ND	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	15.202 ug/g	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)	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	N/A	N/A	N/A	N/A
Pentanes (Sum of Pentane, 2-Methylbutane, and Neopentane)	15.202 ug/g	N/A	N/A	N/A	N/A



ASP

ASPERGILLUS - QPCR
LAB-TM-006 - MICROBIAL ANALYSIS BY QPCR
ASP-HEM-250321-001-01 - FRI, MAR 28, 2025



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

AFLA

AFLATOXINS - USP <561>
LAB-TM-043 - USP 561 AFLATOXINS ANALYSIS IN ARTICLES OF BOTANICAL ORIGIN BY LC-TQ
AFLA-HEM-250321-001-01 - FRI, MAR 28, 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

SS

SALMONELLA & STEC- QPCR
LAB-TM-006 - MICROBIAL ANALYSIS BY QPCR
SS-HEM-250321-001-01 - FRI, MAR 28, 2025



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

HPMET

HEAVY METALS - 7
LAB-TM-044 - DETERMINATION OF HEAVY METALS BY ICP-MS
HPMET-HEM-250321-001-01 - FRI, MAR 28, 2025



ANALYTE	VALUE	VALUE (MG/G)	ACTION LIMIT	LOD	LOQ	STATUS
Arsenic	ND	N/A	N/A	0.198 ug/kg	0.662 ug/kg	N/A
Cadmium	ND	N/A	N/A	0.082 ug/kg	0.272 ug/kg	N/A
Chromium	0.002 ug/g	0.000 mg/g	N/A	0.627 ug/kg	2.091 ug/kg	N/A
Copper	0.212 ug/g	0.000 mg/g	N/A	0.155 ug/kg	0.515 ug/kg	N/A
Lead	ND	N/A	N/A	0.155 ug/kg	0.515 ug/kg	N/A
Mercury	0.001 ug/g	0.000 mg/g	N/A	0.017 ug/kg	0.057 ug/kg	N/A
Nickel	0.006 ug/g	0.000 mg/g	N/A	0.321 ug/kg	1.071 ug/kg	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-250321-001-01 - FRI, MAR 28, 2025

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
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
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
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



CAPLC

CHEMICAL RESIDUE - CA HEMP - LC/TQ
LAB-TM-105 - DETERMINATION OF CHEMICAL RESIDUE BY LC-TQ - CALIFORNIA RESIDUAL PESTICIDE LIST
CAPLC-HEM-250321-001-01 - FRI, MAR 28, 2025

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-250321-001-01 - FRI, MAR 28, 2025

ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Captan	ND	N/A	0.030 ug/g	0.102 ug/g	N/A
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	N/A	0.014 ug/g	0.048 ug/g	N/A
Methyl Parathion	ND	N/A	0.008 ug/g	0.022 ug/g	N/A
Pentachloronitrobenzene	ND	N/A	0.012 ug/g	0.041 ug/g	N/A
Chlordane (Sum of -Cis, Trans)	0.000 ug/g	N/A	N/A	N/A	N/A

