Certificate of Analysis

Sample Name: 001T-L03-082725-01
Client: Perfectly Dosed
Sample Code: HEM-250827-001
Matrix Name: Emulsion - Liquid
Type / Result: Quality Assurance - Pass

cambium analytica

Received Date: Thu, Aug 28, 2025
Published Date: Wed, Sep 3, 2025
Batch/Lot Code: 001T-L03-082725-01
Batch Size: N/A
Sample Size: 61.22g

RESULT SUMMARY	
Total Cannabinoids	5.1553 %
Total THC	4.8395 %
Total CBD	0.0564 %

POT ✓ Cannabinoids Potency	SOL ✓ Residual Solvents USP <467>	ASP ✓ Aspergillus qPCR	AFLA ✓ Aflatoxins USP <561>	SS ✓ Salmonella & STEC qPCR
DEN ✓ Density of Liquids	LMON ✓ Listeria monocytogenes qPCR	HPMET ✓ Heavy Metals Expanded 7	CAPLC ✓ Chemical Residue CA Hemp	CAPGC ✓ Chemical Residue CA Hemp

Approvals

RESULTS REVIEWED BY:

Leslie Varela
Laboratory Director
Cambium Analytica
Wednesday, Sep 3, 2025

RESULTS CERTIFIED BY:

Douglas Smith
VP - Scientific Operations
Cambium Analytica
Wednesday, Sep 3, 2025

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POT

Cannabinoids - Potency

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

POT-HEM-250827-001-01 - TUE, SEP 2, 2025

Analyte	Value	Value (mg/g)	Action Limit	LOD	LOQ	Status
Delta-9 THC	4.8395 %	48.3951 mg/g	N/A	0.2084 mg/g	0.4168 mg/g	N/A
CBG	0.1481 %	1.4814 mg/g	N/A	0.2084 mg/g	0.4168 mg/g	N/A
CBN	0.1113 %	1.1128 mg/g	N/A	0.2084 mg/g	0.4168 mg/g	N/A
CBD	0.0564 %	0.5641 mg/g	N/A	0.2084 mg/g	0.4168 mg/g	N/A
(6aR,9R)-Delta-10 THC	ND	N/A	N/A	0.2084 mg/g	0.4168 mg/g	N/A
(6aR,9S)-Delta-10 THC	ND	N/A	N/A	0.2084 mg/g	0.4168 mg/g	N/A
CBC	<LOQ	N/A	N/A	0.2084 mg/g	0.4168 mg/g	N/A
CBDA	ND	N/A	N/A	0.2084 mg/g	0.4168 mg/g	N/A
CBDV	ND	N/A	N/A	0.2084 mg/g	0.4168 mg/g	N/A
CBGA	ND	N/A	N/A	0.2084 mg/g	0.4168 mg/g	N/A
Delta-8 THC	ND	N/A	N/A	0.2084 mg/g	0.4168 mg/g	N/A
Delta-8 THCV	ND	N/A	N/A	0.2084 mg/g	0.4168 mg/g	N/A
THCA	ND	N/A	N/A	0.2084 mg/g	0.4168 mg/g	N/A
Delta-9 THCV	ND	N/A	N/A	0.2084 mg/g	0.4168 mg/g	N/A
Total Cannabinoids*	5.1553 %	51.5535 mg/g	N/A	N/A	N/A	N/A
Delta-9 THC + Delta-8 THC	4.8395 %	48.3951 mg/g	N/A	N/A	N/A	N/A
Total THC*	4.8395 %	48.3951 mg/g	N/A	N/A	N/A	N/A
Total CBD*	0.0564 %	0.5641 mg/g	N/A	N/A	N/A	N/A
Total THCV*	0.0000 %	0.0000 mg/g	N/A	N/A	N/A	N/A

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

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

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

**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-250827-001-01 - TUE, SEP 2, 2025

Analyte	Value	Action Limit	LOD	LOQ	Status
1,2-Dichloroethane	ND	N/A	0.5 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	<LOQ	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	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)	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)	0.000 ug/g	N/A	N/A	N/A	N/A

ASP

Aspergillus - qPCR

LAB-TM-006 - Microbial Analysis by qPCR
ASP-HEM-250827-001-01 - TUE, SEP 2, 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-250827-001-01 - TUE, SEP 2, 2025

Analyte	Value	Action Limit	LOD	LOQ	Status
Aflatoxin G1	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 G2	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
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-250827-001-01 - TUE, SEP 2, 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

DEN

Density of Liquids

LAB-TM-017 - Brix & Density Analysis
DEN-HEM-250827-001-01 - FRI, AUG 29, 2025

Analyte	Value	Action Limit	LOD	LOQ	Status
Density	1.0362 g/mL	N/A	N/A	N/A	N/A

LMON

Listeria monocytogenes - qPCR - 25g

LAB-TM-064 - Detection and Isolation of L. monocytogenes in Foods and Dietary Supplements
LMON-HEM-250827-001-01 - TUE, SEP 2, 2025

Analyte	Value	Action Limit	LOD	LOQ	Status
Listeria monocytogenes	ND	N/A	N/A	N/A	N/A

HPMET

Heavy Metals - Expanded 7

LAB-TM-044 - Determination of Heavy Metals by ICP-MS
HPMET-HEM-250827-001-01 - TUE, SEP 2, 2025

Analyte	Value	Value (mg/g)	Action Limit	LOD	LOQ	Status
Arsenic	0.007 ug/g	0.000 mg/g	N/A	0.509 ug/kg	2.062 ug/kg	N/A
Cadmium	ND	N/A	N/A	0.256 ug/kg	0.509 ug/kg	N/A
Chromium	0.016 ug/g	0.000 mg/g	N/A	0.259 ug/kg	0.509 ug/kg	N/A
Copper	0.165 ug/g	0.000 mg/g	N/A	0.255 ug/kg	1.015 ug/kg	N/A
Lead	ND	N/A	N/A	0.255 ug/kg	0.515 ug/kg	N/A
Mercury	0.000 ug/g	0.000 mg/g	N/A	0.025 ug/kg	0.057 ug/kg	N/A
Nickel	0.021 ug/g	0.000 mg/g	N/A	0.251 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-250827-001-01 - WED, SEP 3, 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-250827-001-01 - WED, SEP 3, 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-250827-001-01 - WED, SEP 3, 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