

Certificate of Analysis

Sample Name: 001T-L03-093025-01
Client: Perfectly Dosed
Sample Code: HEM-250930-001
Matrix Name: Emulsion - Liquid
Type / Result: Quality Assurance - Pass



Received Date: Wed, Oct 1, 2025
Published Date: Mon, Oct 6, 2025
Batch/Lot Code: 001T-L03-093025-01
Batch Size: N/A
Sample Size: 1U

RESULT SUMMARY	
Total Cannabinoids	5.1990 %
Total THC	5.0714 %
Total CBD	0.0000 %

POT Cannabinoids Potency	ASP Aspergillus qPCR	AFLA Aflatoxins USP <561>	SS Salmonella & STEC qPCR	LMON Listeria monocytogenes qPCR
HPMET Heavy Metals Expanded 7	CAPLC Chemical Residue National Panel	CAPGC Chemical Residue National Panel	SOLHM Residual Solvents National Panel	

Approvals					
RESULTS REVIEWED BY:			RESULTS CERTIFIED BY:		
	Leslie Varela Laboratory Director	Cambium Analytica Monday, Oct 6, 2025		Douglas Smith VP - Scientific Operations	Cambium Analytica Monday, Oct 6, 2025
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Lab Information		
Address: 1230 Woodmere Ave, Traverse City, MI 49686	Phone: 231.252.3669	Accreditation: ISO/IEC 17025:2017 – #108157



POT

Cannabinoids - Potency

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

POT-HEM-250930-001-01 - FRI, OCT 3, 2025

Analyte	Value	Value (mg/g)	Action Limit	LOD	LOQ	Status
Delta-9 THC	5.0714 %	50.7144 mg/g	N/A	0.2046 mg/g	0.4092 mg/g	N / A
CBG	0.1276 %	1.2761 mg/g	N/A	0.2046 mg/g	0.4092 mg/g	N / A
(6aR,9R)-Delta-10 THC	ND	N/A	N/A	0.2046 mg/g	0.4092 mg/g	N / A
(6aR,9S)-Delta-10 THC	ND	N/A	N/A	0.2046 mg/g	0.4092 mg/g	N / A
CBC	ND	N/A	N/A	0.2046 mg/g	0.4092 mg/g	N / A
CBD	ND	N/A	N/A	0.2046 mg/g	0.4092 mg/g	N / A
CBDA	ND	N/A	N/A	0.2046 mg/g	0.4092 mg/g	N / A
CBDV	ND	N/A	N/A	0.2046 mg/g	0.4092 mg/g	N / A
CBGA	ND	N/A	N/A	0.2046 mg/g	0.4092 mg/g	N / A
CBN	<LOQ	N/A	N/A	0.2046 mg/g	0.4092 mg/g	N / A
Delta-8 THC	ND	N/A	N/A	0.2046 mg/g	0.4092 mg/g	N / A
Delta-8 THCV	ND	N/A	N/A	0.2046 mg/g	0.4092 mg/g	N / A
THCA	ND	N/A	N/A	0.2046 mg/g	0.4092 mg/g	N / A
Delta-9 THCV	<LOQ	N/A	N/A	0.2046 mg/g	0.4092 mg/g	N / A
Total Cannabinoids*	5.1990 %	51.9905 mg/g	N/A	N/A	N/A	N / A
Delta-9 THC + Delta-8 THC	5.0714 %	50.7144 mg/g	N/A	N/A	N/A	N / A
Total THC*	5.0714 %	50.7144 mg/g	N/A	N/A	N/A	N / A
Total CBD*	0.0000 %	0.0000 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.

ASP

Aspergillus - qPCR

LAB-TM-006 - Microbial Analysis by qPCR

ASP-HEM-250930-001-01 - FRI, OCT 3, 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-250930-001-01 - MON, OCT 6, 2025 ISO ISO 17025 ACC0108187					
Analyte	Value	Action Limit	LOD	LOQ	Status
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 B1	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
Aflatoxin G2	ND	N/A	0.001 ug/g	0.002 ug/g	N / A
Total Aflatoxins*	0.000 ug/g	N/A	N/A	N/A	N / A

*Total Aflatoxins is calculated as the sum of B1, B2, G1, and G2

SS Salmonella & STEC - qPCR LAB-TM-006 - Microbial Analysis by qPCR SS-HEM-250930-001-01 - FRI, OCT 3, 2025 ISO ISO 17025 ACC0108187					
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

LMON Listeria monocytogenes - qPCR - 25g LAB-TM-064 - Detection of Presumptive L. monocytogenes in Foods and Dietary Supplements LMON-HEM-250930-001-01 - MON, OCT 6, 2025 ISO ISO 17025 ACC0108187					
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-250930-001-01 - FRI, OCT 3, 2025

ISO
ISO 17025
ACC0108187

Analyte	Value	Value (mg/g)	Action Limit	LOD	LOQ	Status
Arsenic	0.023 ug/g	0.000 mg/g	N/A	0.509 ug/kg	2.062 ug/kg	N / A
Cadmium	0.001 ug/g	0.000 mg/g	N/A	0.256 ug/kg	0.509 ug/kg	N / A
Chromium	0.020 ug/g	0.000 mg/g	N/A	0.259 ug/kg	0.509 ug/kg	N / A
Copper	0.178 ug/g	0.000 mg/g	N/A	0.255 ug/kg	1.015 ug/kg	N / A
Lead	0.001 ug/g	0.000 mg/g	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	0.014 ug/g	0.000 mg/g	N/A	0.251 ug/kg	0.509 ug/kg	N / A



CAPLC

Chemical Residue - National Panel - LC-TQ

ANA-TM-105 - Determination of Chemical Residue by LC-TQ - National Panel

CAPLC-HEM-250930-001-01 - FRI, OCT 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
Chlormequat Chloride	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	0.063 ug/g	0.125 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 I	ND	N/A	0.026 ug/g	0.052 ug/g	N / A
Dimethomorph II	ND	N/A	0.036 ug/g	0.072 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

*Total Dimethomorphs is calculated as the sum of Dimethomorph I and Dimethomorph II.

*Total Pyrethrins is calculated as the sum of Cinerin I, Cinerin II, Jasmolin I, Jasmolin II, Pyrethrin I, and Pyrethrin II.

*Total Spinetorams is calculated as the sum of Spinetoram J and Spinetoram L.

*Total Spinosads is calculated as the sum of Spinosad A and Spinosad D.



CAPLC

Chemical Residue - National Panel - LC-TQ
ANA-TM-105 - Determination of Chemical Residue by LC-TQ - National Panel
CAPLC-HEM-250930-001-01 - FRI, OCT 3, 2025

Analyte	Value	Action Limit	LOD	LOQ	Status
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
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
MGK-264	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 Cinerin I	ND	N/A	0.002 ug/g	0.004 ug/g	N / A
Pyrethrins Cinerin II	ND	N/A	0.001 ug/g	0.002 ug/g	N / A
Pyrethrins Jasmolin I	ND	N/A	0.002 ug/g	0.004 ug/g	N / A
Pyrethrins Jasmolin II	ND	N/A	0.002 ug/g	0.004 ug/g	N / A
Pyrethrins Pyrethrin I	ND	N/A	0.034 ug/g	0.069 ug/g	N / A
Pyrethrins Pyrethrin II	ND	N/A	0.021 ug/g	0.042 ug/g	N / A
Pyridaben	ND	N/A	0.063 ug/g	0.125 ug/g	N / A
Spinetoram J	ND	N/A	0.046 ug/g	0.092 ug/g	N / A
Spinetoram L	ND	N/A	0.016 ug/g	0.032 ug/g	N / A
Spinosad A	ND	N/A	0.048 ug/g	0.095 ug/g	N / A
Spinosad D	ND	N/A	0.015 ug/g	0.03 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

*Total Dimethomorphs is calculated as the sum of Dimethomorph I and Dimethomorph II.

*Total Pyrethrins is calculated as the sum of Cinerin I, Cinerin II, Jasmolin I, Jasmolin II, Pyrethrin I, and Pyrethrin II.

*Total Spinetorams is calculated as the sum of Spinetoram J and Spinetoram L.

*Total Spinosads is calculated as the sum of Spinosad A and Spinosad D.



CAPLC Chemical Residue - National Panel - LC-TQ ANA-TM-105 - Determination of Chemical Residue by LC-TQ - National Panel CAPLC-HEM-250930-001-01 - FRI, OCT 3, 2025					
Analyte	Value	Action Limit	LOD	LOQ	Status
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
Total Dimethomorphs*	0.000 ug/g	N/A	N/A	N/A	N / A
Total Pyrethrins*	0.000 ug/g	N/A	N/A	N/A	N / A
Total Spinetoram*	0.000 ug/g	N/A	N/A	N/A	N / A
Total Spinosads*	0.000 ug/g	N/A	N/A	N/A	N / A

*Total Dimethomorphs is calculated as the sum of Dimethomorph I and Dimethomorph II.

*Total Pyrethrins is calculated as the sum of Cinerin I, Cinerin II, Jasmolin I, Jasmolin II, Pyrethrin I, and Pyrethrin II.

*Total Spinetorams is calculated as the sum of Spinetoram J and Spinetoram L.

*Total Spinosads is calculated as the sum of Spinosad A and Spinosad D.



CAPGC

Chemical Residue - National Panel - GC-TQ

ANA-TM-109 - Determination of Chemical Residue by GC-TQ - National Panel

CAPGC-HEM-250930-001-01 - FRI, OCT 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



Analyte	Value	Action Limit	LOD	LOQ	Status
1,1-Dichloroethene	ND	N/A	0.78 ug/g	2.59 ug/g	N / A
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 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	17.821 ug/g	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
Total Butanes*	0.000 ug/g	N/A	N/A	N/A	N / A
Total Hexanes*	0.000 ug/g	N/A	N/A	N/A	N / A
Total Pentanes*	0.000 ug/g	N/A	N/A	N/A	N / A

*Total Butanes is calculated as the sum of Butane and Isobutane

*Total Hexanes is calculated as the sum of Hexane, 2,2-Dimethylbutane, 2,3-Dimethylbutane, 2-Methylpentane, and 3-Methylpentane.

*Total Pentanes is calculated as the sum of Pentane, 2-Methylbutane, and Neopentane.

