

CERTIFICATE OF ANALYSIS



1230 Woodmere Ave
Traverse City, MI 49686
231.252.3669
cambiumanalytica.com

SAMPLE NAME: L03-C-121224-01
SAMPLE CODE: HEM-241212-004
CLIENT: PERFECTLY DOSED
BATCH RESULT: PASS



MATRIX NAME: Edible Liquid - Emulsion
SAMPLE TYPE: Quality Assurance
RECEIVED DATE: Mon, Dec 16, 2024
PUBLISHED DATE: Thu, Dec 19, 2024
BATCH/LOT CODE: L03-C-121224-01
BATCH SIZE: N/A
SAMPLE SIZE: 1U
AVERAGE UNIT WEIGHT: 1.0381g (Density (g/mL))

TOTAL CBD	54.43 mg / serv
TOTAL CANNABINOIDS	54.43 mg / serv
TOTAL THC	0 mg / serv

POT Cannabinoids Potency	SOL Residual Solvents USP <467>	ASP Aspergillus qPCR	AFLA Aflatoxins USP <561>	PGUSP Pesticides USP <561>
PLUSP Pesticides USP <561>	SS Salmonella & STEC qPCR	PSZP Particle Size & Zeta Potential Liquids	HPMET Heavy Metals 7	

APPROVALS

RESULTS REVIEWED BY:

Leslie Varela
Laboratory Director

Cambium Analytica
Thursday, Dec 19, 2024

RESULTS CERTIFIED BY:

Douglas Smith
VP - Scientific Operations

Cambium Analytica
Thursday, Dec 19, 2024

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ANALYTE	VALUE	VALUE (MG/G)	PER SERVING	PER PACKAGE	ACTION LIMIT	LOD	LOQ	STATUS
CBD	5.2436 %	52.436 mg/g	54.43 mg	54.43 mg	N/A	0.6432 ug/g	5.401 ug/g	N/A
CBC	ND	N/A	N/A	N/A	N/A	0.4372 ug/g	4.843 ug/g	N/A
CBDA	ND	N/A	N/A	N/A	N/A	0.0886 ug/g	0.2949 ug/g	N/A
CBDV	ND	N/A	N/A	N/A	N/A	0.0919 ug/g	0.4418 ug/g	N/A
CBG	ND	N/A	N/A	N/A	N/A	0.2073 ug/g	0.8539 ug/g	N/A
CBGA	ND	N/A	N/A	N/A	N/A	0.4596 ug/g	4.8149 ug/g	N/A
CBN	ND	N/A	N/A	N/A	N/A	0.3561 ug/g	4.3163 ug/g	N/A
Delta-8 THC	ND	N/A	N/A	N/A	N/A	0.4043 ug/g	4.5669 ug/g	N/A
Delta-8 THCV	ND	N/A	N/A	N/A	N/A	0.0504 ug/g	0.3393 ug/g	N/A
Delta-9 THC	ND	N/A	N/A	N/A	N/A	0.4945 ug/g	1.516 ug/g	N/A
Delta-9 THCV	ND	N/A	N/A	N/A	N/A	0.2699 ug/g	0.4033 ug/g	N/A
THCA	ND	N/A	N/A	N/A	N/A	0.4497 ug/g	4.9472 ug/g	N/A
Total CBD*	5.2436 %	52.436 mg/g	54.43 mg	54.43 mg	N/A	N/A	N/A	N/A
Total Cannabinoids*	5.2436 %	N/A	54.43 mg	54.43 mg	N/A	N/A	N/A	N/A
Delta-9 THC + Delta-8 THC	0 %	0 mg/g	0 mg	0 mg	N/A	N/A	N/A	N/A
Total THCV*	0 %	N/A	0 mg	0 mg	N/A	N/A	N/A	N/A
Total THC*	0 %	N/A	0 mg	0 mg	N/A	N/A	N/A	N/A





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	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)	ND	N/A			N/A
Hexanes (Sum of Hexane, 2,2-Dimethylbutane, 2,3-Dimethylbutane, 2-Methylpentane, and 3-Methylpentane)	ND	N/A			N/A
Pentanes (Sum of Pentane, 2-Methylbutane, and Neopentane)	ND	N/A			N/A



ASP

ASPERGILLUS - QPCR
LAB-TM-006 - MICROBIAL ANALYSIS BY QPCR
ASP-HEM-241212-004-01 - WED, DEC 18, 2024



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-241212-004-01 - WED, DEC 18, 2024



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)	ND	N/A			N/A





ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Aldrin + Dieldrin	ND	N/A	0.1 ng/g	0.2 ng/g	N/A
Bromophos Ethyl	ND	N/A	0.1 ng/g	0.2 ng/g	N/A
Bromophos Methyl	ND	N/A	0.1 ng/g	0.2 ng/g	N/A
Bromopropylate	ND	N/A	6 ng/g	12 ng/g	N/A
Chlordane (Sum of -Cis, -Trans, Oxychlordane)	ND	N/A	0.1 ng/g	0.2 ng/g	N/A
Chlorthal-Dimethyl	ND	N/A	0.02 ng/g	0.04 ng/g	N/A
DDT (Sum of O,P-DDE, P,P-DDE, O,P-DDT, P,P-DDT, O,P-TDE, and P,P-TDE)	ND	N/A	2 ng/g	4 ng/g	N/A
Dicofol	ND	N/A	1 ng/g	2 ng/g	N/A
Endosulfan (Sum of Isomers and Sulphate)	ND	N/A	6 ng/g	12 ng/g	N/A
Endrin	ND	N/A	0.1 ng/g	0.2 ng/g	N/A
Fenchlorophos (Sum of Fenchlorophos and Fenchlorophos-Oxon)	ND	N/A	0.2 ng/g	0.4 ng/g	N/A
Fenitrothion	ND	N/A	1 ng/g	2 ng/g	N/A
Fenvalerate	ND	N/A	3 ng/g	6 ng/g	N/A
Fluvalinate-Tau	ND	N/A	0.1 ng/g	0.2 ng/g	N/A
Heptachlor (Sum of Heptachlor, Cis-Heptachlorepoxiide, and Trans-Heptachlorepoxiide)	ND	N/A	0.1 ng/g	0.2 ng/g	N/A
Hexachlorobenzene	ND	N/A	0.2 ng/g	0.4 ng/g	N/A
Hexachlorocyclohexane (Sum of Isomers Alpha-, Beta-, Delta-, and Epsilon-)	ND	N/A	0.6 ng/g	1.2 ng/g	N/A
Lindane (Gamma-Hexachlorocyclohexane)	ND	N/A	1.2 ng/g	2.4 ng/g	N/A
Methacriphos	ND	N/A	0.1 ng/g	0.2 ng/g	N/A
Methoxychlor	ND	N/A	0.1 ng/g	0.2 ng/g	N/A
Mirex	ND	N/A	0.02 ng/g	0.04 ng/g	N/A
Parathion Ethyl + Paraoxon Ethyl	ND	N/A	1 ng/g	2 ng/g	N/A
Pentachloroanisole	ND	N/A	0.02 ng/g	0.04 ng/g	N/A
Procymidone	ND	N/A	0.2 ng/g	0.4 ng/g	N/A
Quintozene (Sum of Quintozene, Pentachloroaniline, and Methyl-Pentachlorophenyl Sulfide)	ND	N/A	2 ng/g	4 ng/g	N/A





ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
S-421	ND	N/A	0.04 ng/g	0.08 ng/g	N/A
Tecnazene	ND	N/A	0.1 ng/g	0.2 ng/g	N/A
Tetradifon	ND	N/A	0.6 ng/g	1.2 ng/g	N/A
Vinclozolin	ND	N/A	0.8 ng/g	1.6 ng/g	N/A





ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Acephate	ND	N/A	12.5 ng/g	25 ng/g	N/A
Alachlor	ND	N/A	12.5 ng/g	25 ng/g	N/A
Azinphos Ethyl	ND	N/A	12.5 ng/g	25 ng/g	N/A
Azinphos Methyl	ND	N/A	12.5 ng/g	25 ng/g	N/A
Chlorfenvinphos	ND	N/A	12.5 ng/g	25 ng/g	N/A
Chlorpyrifos Ethyl	ND	N/A	12.5 ng/g	25 ng/g	N/A
Cyfluthrin	ND	N/A	12.5 ng/g	25 ng/g	N/A
Cypermethrin	ND	N/A	12.5 ng/g	25 ng/g	N/A
Deltamethrin	ND	N/A	12.5 ng/g	25 ng/g	N/A
Diazinon	ND	N/A	12.5 ng/g	25 ng/g	N/A
Dichlorvos	ND	N/A	12.5 ng/g	25 ng/g	N/A
Dimethoate + Omethoate	ND	N/A	12.5 ng/g	25 ng/g	N/A
Ethion	ND	N/A	12.5 ng/g	25 ng/g	N/A
Etrimphos	ND	N/A	12.5 ng/g	25 ng/g	N/A
Fenpropathrin	ND	N/A	12.5 ng/g	25 ng/g	N/A
Fensulfothion (Sum of Fensulfothion, Fensulfothion-Oxon, Fensulfothion-Oxon-Sulfone, and Fensulfothion-Sulfone)	ND	N/A	12.5 ng/g	25 ng/g	N/A
Fenthion (Sum of Fenthion, Fenthion-Oxon, Fenthion-Oxon-Sulfone, Fenthion-Oxon-Sulfoxide, Fenthion-Sulfone, and Fenthion-Sulfoxide)	ND	N/A	12.5 ng/g	25 ng/g	N/A
Flucythrinate	ND	N/A	12.5 ng/g	25 ng/g	N/A
Fonophos	ND	N/A	12.5 ng/g	25 ng/g	N/A
Lambda-Cyhalothrin	ND	N/A	12.5 ng/g	25 ng/g	N/A
Malathion + Malaaxon	ND	N/A	12.5 ng/g	25 ng/g	N/A
Mecarbam	ND	N/A	12.5 ng/g	25 ng/g	N/A
Methamidophos	ND	N/A	12.5 ng/g	25 ng/g	N/A
Methidathion	ND	N/A	12.5 ng/g	25 ng/g	N/A
Monocrotophos	ND	N/A	12.5 ng/g	25 ng/g	N/A
Pendimethalin	ND	N/A	12.5 ng/g	25 ng/g	N/A
Permethrins (Sum of Cis- and Trans-Permethrin)	ND	N/A	12.5 ng/g	25 ng/g	N/A
Phosalone	ND	N/A	12.5 ng/g	25 ng/g	N/A
Phosmet	ND	N/A	12.5 ng/g	25 ng/g	N/A





ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Piperonyl Butoxide	ND	N/A	12.5 ng/g	25 ng/g	N/A
Pirimiphos Ethyl	ND	N/A	12.5 ng/g	25 ng/g	N/A
Pirimiphos Methyl (Sum of Pirimiphos-Methyl and n- Desethyl-Pirimiphos-Methyl)	ND	N/A	12.5 ng/g	25 ng/g	N/A
Profenophos	ND	N/A	12.5 ng/g	25 ng/g	N/A
Prothiophos	ND	N/A	12.5 ng/g	25 ng/g	N/A
Pyrethrins (Sum of Cinerin 1, Jasmolin 1, and Pyrethrin 1)	ND	N/A	12.5 ng/g	25 ng/g	N/A
Quinalphos	ND	N/A	12.5 ng/g	25 ng/g	N/A



SS

SALMONELLA & STEC- QPCR

LAB-TM-006 - MICROBIAL ANALYSIS BY QPCR

SS-HEM-241212-004-01 - WED, DEC 18, 2024



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

PSZP

PARTICLE SIZE & ZETA POTENTIAL - LIQUIDS

LAB-TM-032 - DETERMINATION OF PARTICLE SIZE AND ZETA POTENTIAL

PSZP-HEM-241212-004-01 - TUE, DEC 17, 2024



ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Particle Size	219.7 nm	N/A			N/A
Zeta Potential	-20.3 mV	N/A			N/A

HPMET

HEAVY METALS - 7

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

HPMET-HEM-241212-004-01 - WED, DEC 18, 2024



ANALYTE	VALUE	VALUE (MG/G)	PER SERVING	PER PACKAGE	ACTION LIMIT	LOD	LOQ	STATUS
Arsenic	ND	N/A	N/A	N/A	N/A	0.198 ug/kg	0.662 ug/kg	N/A
Cadmium	0 ug/g	0 mg/g	0.00 ug	0.00 ug	N/A	0.082 ug/kg	0.272 ug/kg	N/A
Chromium	0.006 ug/g	0 mg/g	0.01 ug	0.01 ug	N/A	0.627 ug/kg	2.091 ug/kg	N/A
Copper	0.179 ug/g	0 mg/g	0.19 ug	0.19 ug	N/A	0.155 ug/kg	0.515 ug/kg	N/A
Lead	0.002 ug/g	0 mg/g	0.00 ug	0.00 ug	N/A	0.155 ug/kg	0.515 ug/kg	N/A
Mercury	0.001 ug/g	0 mg/g	0.00 ug	0.00 ug	N/A	0.017 ug/kg	0.057 ug/kg	N/A
Nickel	0.008 ug/g	0 mg/g	0.01 ug	0.01 ug	N/A	0.321 ug/kg	1.071 ug/kg	N/A

