

CERTIFICATE OF ANALYSIS

SAMPLE NAME: BROAD SPECTRUM PM

SAMPLE CODE: HEM-240105-002

CLIENT: CBDMD - ASG

BATCH RESULT: PASS



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



MATRIX NAME: Edible Solid- Tablet/Capsule

SAMPLE TYPE: Compliance

RECEIVED DATE: Mon, Jan 8, 2024

PUBLISHED DATE: Fri, Jan 12, 2024

BATCH CODE: 312002

BATCH SIZE: 750mg

SAMPLE SIZE: 1U

AVERAGE UNIT WEIGHT: 0.9326g {1 capsule}

TOTAL CANNABINOIDS	65.34 mg/ serv
TOTAL THC	ND
TOTAL CBD	49.98 mg/ serv

POT ✓ Cannabinoids Potency	SOL ✓ Residual Solvents USP <467>	ECOLI ✓ Total E. Coli & Coliforms Plate	AFLA ✓ Aflatoxins USP <561>	TAMC ✓ Total Aerobic Bacteria Plate
SS ✓ Salmonella & STEC qPCR	SAUR ✓ Staphylococcus aureus 3M Plating	LMON ✓ Listeria monocytogenes GeneUp qPCR	ENTRO ✓ Enterobacteriaceae Plate	TYMFD ✓ Total Yeast & Mold Plate
HPMET ✓ Heavy Metals 7	MELAT ✓ Melatonin			

RESULTS REVIEWED BY: Leslie Varela

Laboratory Director
Cambium Analytica
Friday, Jan 12, 2024

RESULTS REVIEWED BY: Douglas Smith

VP - Scientific Operations
Cambium Analytica
Fri, Jan 12, 2024

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LAB-TM-025 - DETERMINATION OF POTENCY OF CANNABIS AND CANNABIS INFUSED PRODUCTS ACN
 POT-HEM-240105-002-02 - WED, JAN 10, 2024



ANALYTE	VALUE	VALUE (PER SERVING)	VALUE (PER PACKAGE)	ACTION LIMIT	LOD	LOQ	STATUS
Total Cannabinoids	7.0058 %	65.34 mg	65.34 mg	N/A			N/A
CBD	5.3593 %	49.98 mg	49.98 mg	N/A	0.6432 ug/g	5.401 ug/g	N/A
Total CBD	5.3593 %	49.98 mg	49.98 mg	N/A			N/A
CBN	1.1885 %	11.08 mg	11.08 mg	N/A	0.3561 ug/g	4.3163 ug/g	N/A
CBG	0.3395 %	3.17 mg	3.17 mg	N/A	0.2073 ug/g	0.8539 ug/g	N/A
CBC	0.0932 %	0.87 mg	0.87 mg	N/A	0.4372 ug/g	4.843 ug/g	N/A
CBDV	0.0254 %	0.24 mg	0.24 mg	N/A	0.0919 ug/g	0.4418 ug/g	N/A
CBDA	ND	ND	ND	N/A	0.0886 ug/g	0.2949 ug/g	N/A
CBGA	ND	ND	ND	N/A	0.4596 ug/g	4.8149 ug/g	N/A
Delta-8 THC	ND	ND	ND	N/A	0.4043 ug/g	4.5669 ug/g	N/A
Delta-8 THCV	ND	ND	ND	N/A	0.050425 ug/g	0.339339 ug/g	N/A
Delta-9 THC	ND	ND	ND	N/A	0.4945 ug/g	1.516 ug/g	N/A
Delta-9 THCV	ND	ND	ND	N/A	0.269941 ug/g	0.403267 ug/g	N/A
THCA	ND	ND	ND	N/A	0.4497 ug/g	4.9472 ug/g	N/A
Total THC	ND	N/A	N/A	N/A			N/A
Total THCV	ND	N/A	N/A	N/A			N/A



LAB-TM-004 - DETERMINATION OF RESIDUAL SOLVENTS OF CANNABIS PRODUCTS
 SOL-HEM-240105-002-01 - FRI, JAN 5, 2024



ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
1,2-Dichloroethane	ND	N/A	0.4 ug/g	1.34 ug/g	N/A
2-Methylbutane	ND	N/A	1.54 ug/g	5.14 ug/g	N/A
2-Methylpentane	ND	N/A	0.0462 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	0.59 ug/g	N/A
Butane	ND	N/A	1.68 ug/g	5.59 ug/g	N/A
Butanes (Sum of Butane and Isobutane)	ND	N/A			N/A
Chloroform	ND	N/A	0.78 ug/g	2.59 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
Hexanes (Sum of Hexane, 2,2-Dimethylbutane, 2,3-Dimethylbutane, 2-Methylpentane, and 3-Methylpentane)	ND	N/A			N/A
Isobutane	ND	N/A	1.6 ug/g	5.34 ug/g	N/A
Isopropyl Alcohol	39.850 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
Pentanes (Sum of Pentane, 2-Methylbutane, and Neopentane)	ND	N/A			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

LAB-TM-059 - ENUMERATION OF ESCHERICHIA COLI AND TOTAL COLIFORM IN FOODS AND DIETARY SUPPLEMENTS

ECOLI-HEM-240105-002-01 - FRI, JAN 5, 2024



ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
E. coli	<10 CFU/g	N/A			N/A
Total Coliforms	<10 CFU/g	N/A			N/A



LAB-TM-043 - USP 561 AFLATOXINS ANALYSIS IN ARTICLES OF BOTANICAL ORIGIN BY LC-TQ
 AFLA-HEM-240105-002-01 - FRI, JAN 5, 2024



ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Aflatoxin B1	ND	N/A	0.0052 ug/g	0.0283 ug/g	N/A
Aflatoxin B2	ND	N/A	0.001 ug/g	0.006 ug/g	N/A
Aflatoxin G1	ND	N/A	0.001 ug/g	0.006 ug/g	N/A
Aflatoxin G2	ND	N/A	0.002 ug/g	0.012 ug/g	N/A
Aflatoxins (Sum of B1, B2, G1, and G2)	ND	N/A			N/A
Ochratoxin A	ND	N/A	0.004 ug/g	0.019 ug/g	N/A

LAB-TM-060 - ENUMERATION OF TOTAL AEROBIC COUNT IN FOODS AND DIETARY SUPPLEMENTS
 TAMC-HEM-240105-002-01 - FRI, JAN 5, 2024



ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Total Aerobic Count	<10 CFU/g	N/A			N/A

LAB-TM-006 - MICROBIAL ANALYSIS BY QPCR
 SS-HEM-240105-002-01 - FRI, JAN 5, 2024



ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Salmonella Spp	ND	N/A			N/A
Shiga Toxin Producing E. coli	ND	N/A			N/A

LAB-TM-062 - ENUMERATION OF STAPHYLOCOCCUS AUREUS IN FOODS AND DIETARY SUPPLEMENTS
 SAUR-HEM-240105-002-01 - FRI, JAN 5, 2024



ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
S. aureus	<10 CFU/g	N/A			N/A

LAB-TM-064 - DETECTION AND ISOLATION OF L. MONOCYTOGENES IN FOODS AND DIETARY SUPPLEMENTS
 LMON-HEM-240105-002-01 - FRI, JAN 5, 2024



ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Listeria monocytogenes	ND	N/A			N/A

LAB-TM-084 - ENUMERATION OF ENTEROBACTERIACEAE
 ENTRO-HEM-240105-002-01 - FRI, JAN 5, 2024

ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Enterobacteriaceae	<10 CFU/g	N/A	100 CFU/g	100 CFU/g	N/A

LAB-TM-061 - ENUMERATION OF YEAST AND MOLD IN FOODS AND DIETARY SUPPLEMENTS
 TYMFD-HEM-240105-002-01 - FRI, JAN 5, 2024

ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Total Yeast and Mold	<10 CFU/g	N/A			N/A



LAB-TM-044 - DETERMINATION OF HEAVY METALS BY ICP-MS
 HPMET-HEM-240105-002-01 - FRI, JAN 5, 2024



ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Arsenic	ND	N/A	0.1985 ug/kg	0.6616 ug/kg	N/A
Cadmium	0.001 ug/g	N/A	0.0817 ug/kg	0.2724 ug/kg	N/A
Chromium	0.074 ug/g	N/A	0.6272 ug/kg	2.0907 ug/kg	N/A
Copper	0.250 ug/g	N/A	0.1546 ug/kg	0.5152 ug/kg	N/A
Lead	0.008 ug/g	N/A	0.2817 ug/kg	0.2817 ug/kg	N/A
Mercury	0.002 ug/g	N/A	0.0171 ug/kg	0.0571 ug/kg	N/A
Nickel	0.142 ug/g	N/A	0.3213 ug/kg	1.0709 ug/kg	N/A

LAB-TM-076 - DETERMINATION OF CAFFEINE AND MELATONIN BY HPLC
 MELAT-HEM-240105-002-01 - FRI, JAN 5, 2024



ANALYTE	VALUE	VALUE (PER SERVING)	VALUE (PER PACKAGE)	ACTION LIMIT	LOD	LOQ	STATUS
Melatonin	3.9848 mg/g	3.72 mg	3.72 mg	N/A	0.025 mg/g	0.05 mg/g	N/A





CERTIFICATE OF ANALYSIS

Broad Spectrum PM

Table with 4 columns: Batch ID or Lot Number, Test, Reported, USDA License; Matrix, Test ID, Started, Sampler ID; Method(s), Received, Status.

Table with 5 columns: Pesticides, Dynamic Range (ppb), Result (ppb), Dynamic Range (ppb), Result (ppb). Lists various pesticides and their detection results.

Final Approval

Signature and name of Karen Wintemheimer, Date: 17Jan2024, 08:28:00 AM MST. Signature and name of Sam Smith, Date: 17Jan2024, 08:28:00 AM MST.

PREPARED BY / DATE: Karen Wintemheimer, 17Jan2024, 08:28:00 AM MST. APPROVED BY / DATE: Sam Smith, 17Jan2024, 08:28:00 AM MST.

Disclaimer: ND = None Detected (defined by dynamic range of the method). Dynamic Range = Limit of Quantitation (LOQ) through Upper Limit of Method Range (ppb - Parts Per Billion).