

# CERTIFICATE OF ANALYSIS



**SAMPLE NAME:** KRATOM SELTZER - BERRY

**SAMPLE CODE:** DTS-241101-002

**CLIENT:** MITRA9-BUR

**BATCH RESULT:** PASS

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

License #:



**MATRIX NAME:** Beverage  
**SAMPLE TYPE:** Compliance  
**RECEIVED DATE:** Fri, Nov 8, 2024  
**PUBLISHED DATE:** Thu, Nov 14, 2024  
**BATCH/LOT CODE:** 20610312024BUR  
**BATCH SIZE:** N/A  
**SAMPLE SIZE:** 3U  
**AVERAGE UNIT WEIGHT:** 351.79g (1 can)

**MITRAGYNINE** 43.27 mg / serv

**TOTAL MAJOR ALKALOIDS** 43.97 mg / serv

**TOTAL MINOR ALKALOIDS** 0.36 mg / serv

ALKU



**Kratom Alkaloids**  
High Level

ALKL



**Kratom Alkaloids**  
Low Level

SOL



**Residual Solvents**  
USP <467>

TYMFD



**Total Yeast & Mold**  
Plate

HPMET



**Heavy Metals**  
7

**RESULTS REVIEWED BY:** Leslie Varela  
Laboratory Director  
Cambium Analytica  
Thursday, Nov 14, 2024

**RESULTS CERTIFIED BY:** Douglas Smith  
VP - Scientific Operations  
Cambium Analytica  
Thursday, Nov 14, 2024

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ALKU

**KRATOM ALKALOIDS - HIGH LEVEL**LAB-TM-052 - DETERMINATION OF KRATOM ALKALOID CONTENT BY UPLC-DAD  
ALKU-DTS-241101-002-01 - WED, NOV 13, 2024

ANALYTE	VALUE	VALUE (MG/G)	PER SERVING	PER PACKAGE	ACTION LIMIT	LOD	LOQ	STATUS
Mitragynine	0.012 %	0.123 mg/g	43.27 mg	43.27 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Paynantheine	ND	N/A	N/A	N/A	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciociliatine	ND	N/A	N/A	N/A	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciogyneine	ND	N/A	N/A	N/A	N/A	0.3 ug/g	0.5 ug/g	N/A
Total Major Alkaloids	0.012 %	0.125 mg/g	43.97 mg	43.97 mg	N/A	N/A	N/A	N/A

ALKL

**KRATOM ALKALOIDS - LOW LEVEL**LAB-TM-047 - DETERMINATION OF KRATOM ALKALOID CONTENT BY LC-TQ  
ALKL-DTS-241101-002-01 - THU, NOV 14, 2024

ANALYTE	VALUE	VALUE (MG/G)	PER SERVING	PER PACKAGE	ACTION LIMIT	LOD	LOQ	STATUS
7-Hydroxymitragynine	0.00010 %	0.00103 mg/g	0.36 mg	0.36 mg	N/A	0.002 ug/g	0.011 ug/g	N/A
Mitraphylline	ND	N/A	N/A	N/A	N/A	0.004 ug/g	0.019 ug/g	N/A
Total Minor Alkaloids	0.00010 %	0.00103 mg/g	0.36 mg	0.36 mg	N/A	0.006 ug/g	0.03 ug/g	N/A



SOL

## RESIDUAL SOLVENTS - USP &lt;467&gt;

LAB-TM-004 - DETERMINATION OF RESIDUAL SOLVENTS  
SOL-DTS-241101-002-01 - TUE, NOV 12, 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	0.046 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	0.59 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	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
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



TYMFD

**TOTAL YEAST & MOLD - PLATE**LAB-TM-061 - ENUMERATION OF YEAST AND MOLD IN FOODS AND DIETARY SUPPLEMENTS  
TYMFD-DTS-241101-002-01 - WED, NOV 13, 2024

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

HPMET

**HEAVY METALS - 7**LAB-TM-044 - DETERMINATION OF HEAVY METALS BY ICP-MS  
HPMET-DTS-241101-002-01 - TUE, NOV 12, 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	ND	N/A	N/A	N/A	N/A	0.082 ug/kg	0.272 ug/kg	N/A
Chromium	ND	N/A	N/A	N/A	N/A	0.627 ug/kg	2.091 ug/kg	N/A
Copper	0.012 ug/g	N/A	4.21 ug	4.21 ug	N/A	0.155 ug/kg	0.515 ug/kg	N/A
Lead	ND	N/A	N/A	N/A	N/A	0.155 ug/kg	0.515 ug/kg	N/A
Mercury	ND	N/A	N/A	N/A	N/A	0.017 ug/kg	0.057 ug/kg	N/A
Nickel	0.006 ug/g	N/A	2.00 ug	2.00 ug	N/A	0.321 ug/kg	1.071 ug/kg	N/A

