

CERTIFICATE OF ANALYSIS



SAMPLE NAME: KRATOM SELTZER - RASPBERRY LIME

SAMPLE CODE: DTS-241030-050

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: Tue, Nov 5, 2024
PUBLISHED DATE: Fri, Nov 8, 2024
BATCH/LOT CODE: 20410302024BUR
BATCH SIZE: N/A
SAMPLE SIZE: 3U
AVERAGE UNIT WEIGHT: 342.3g (1 can)

MITRAGYNINE 42.45 mg / serv

TOTAL MAJOR ALKALOIDS 43.13 mg / serv

TOTAL MINOR ALKALOIDS 0.29 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
Friday, Nov 8, 2024

RESULTS CERTIFIED BY: Douglas Smith
VP - Scientific Operations
Cambium Analytica
Friday, Nov 8, 2024

This report may not be reproduced except in full without approval from Cambium Analytica. The results herein relate only to the sample & batch identified in this report.



ALKU

KRATOM ALKALOIDS - HIGH LEVELLAB-TM-052 - DETERMINATION OF KRATOM ALKALOID CONTENT BY UPLC-DAD
ALKU-DTS-241030-050-01 - FRI, NOV 8, 2024

| ANALYTE | VALUE | VALUE (MG/G) | PER SERVING | PER PACKAGE | ACTION LIMIT | LOD | LOQ | STATUS |
|-----------------------|---------|--------------|-------------|-------------|--------------|----------|----------|--------|
| Mitragynine | 0.012 % | 0.124 mg/g | 42.45 mg | 42.45 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 | 0.013 % | 0.126 mg/g | 43.13 mg | 43.13 mg | N/A | N/A | N/A | N/A |

ALKL

KRATOM ALKALOIDS - LOW LEVELLAB-TM-047 - DETERMINATION OF KRATOM ALKALOID CONTENT BY LC-TQ
ALKL-DTS-241030-050-01 - FRI, NOV 8, 2024

| ANALYTE | VALUE | VALUE (MG/G) | PER SERVING | PER PACKAGE | ACTION LIMIT | LOD | LOQ | STATUS |
|-----------------------|-----------|--------------|-------------|-------------|--------------|------------|------------|--------|
| 7-Hydroxymitragynine | 0.00009 % | 0.00085 mg/g | 0.29 mg | 0.29 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 | 0.00009 % | 0.00085 mg/g | 0.29 mg | 0.29 mg | N/A | 0.006 ug/g | 0.03 ug/g | N/A |



SOL

RESIDUAL SOLVENTS - USP <467>

LAB-TM-004 - DETERMINATION OF RESIDUAL SOLVENTS
SOL-DTS-241030-050-01 - THU, NOV 7, 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 - PLATELAB-TM-061 - ENUMERATION OF YEAST AND MOLD IN FOODS AND DIETARY SUPPLEMENTS
TYMFD-DTS-241030-050-01 - FRI, NOV 8, 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 - 7LAB-TM-044 - DETERMINATION OF HEAVY METALS BY ICP-MS
HPMET-DTS-241030-050-01 - THU, NOV 7, 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 | ND | N/A | N/A | N/A | N/A | 0.155 ug/kg | 0.515 ug/kg | N/A |
| Lead | 0.001 ug/g | N/A | 0.24 ug | 0.24 ug | 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 | 2.09 ug | 2.09 ug | N/A | 0.321 ug/kg | 1.071 ug/kg | N/A |

