

CERTIFICATE OF ANALYSIS

SAMPLE NAME: LIZZY'S LAZY LEMONADE
SAMPLE CODE: DTS-250206-006
CLIENT: 1836 KRATOM
BATCH RESULT: PASS



MATRIX NAME: Edible Solid - Drink Powder
SAMPLE TYPE: Quality Assurance
RECEIVED DATE: Fri, Feb 7, 2025
PUBLISHED DATE: Thu, Feb 13, 2025
BATCH/LOT CODE: SSLM0002
BATCH SIZE: N/A
SAMPLE SIZE: 1U
AVERAGE UNIT WEIGHT: 10g (One serving is 1/2 of one unit. 2 servings/package.)

MITRAGYNINE 24.98 mg / serv

TOTAL MAJOR ALKALOIDS 25.24 mg / serv

TOTAL MINOR ALKALOIDS 0.04 mg / serv

KAVAL ✓
Kavalactones & Kavains

ALKU ✓
Kratom Alkaloids
High Level

ALKL ✓
Kratom Alkaloids
Low Level

SOL ✓
Residual Solvents
USP <467>

TAMC ✓
Total Aerobic Bacteria
Plate

SS ✓
Salmonella & STEC
qPCR

TYMFD ✓
Total Yeast & Mold
Plate

APPROVALS

RESULTS REVIEWED BY:



Leslie Varela
Laboratory Director

Cambium Analytica
Thursday, Feb 13, 2025

RESULTS CERTIFIED BY:



Douglas Smith
VP - Scientific Operations

Cambium Analytica
Thursday, Feb 13, 2025

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KAVAL

KAVALACTONES & KAVAINSLAB-TM-067 - DETERMINATION OF KAVALACTONES & KAVAINS BY LC-DAD
KAVAL-DTS-250206-006-01 - TUE, FEB 11, 2025

| ANALYTE | VALUE | VALUE (MG/G) | PER SERVING | PER PACKAGE | ACTION LIMIT | LOD | LOQ | STATUS |
|--------------------------------|---------|--------------|-------------|-------------|--------------|------------|----------|--------|
| Kavain | 1.216 % | 12.164 mg/g | 60.82 mg | 121.64 mg | N/A | 0.25 ug/g | 1 ug/g | N/A |
| Dihydrokavain | 0.896 % | 8.961 mg/g | 44.80 mg | 89.61 mg | N/A | 0.25 ug/g | 1 ug/g | N/A |
| Yangonin | 0.426 % | 4.259 mg/g | 21.30 mg | 42.59 mg | N/A | 0.25 ug/g | 1 ug/g | N/A |
| Desmethoxyyangonin | 0.375 % | 3.748 mg/g | 18.74 mg | 37.48 mg | N/A | 0.25 ug/g | 1 ug/g | N/A |
| Methysticin | 0.342 % | 3.422 mg/g | 17.11 mg | 34.22 mg | N/A | 0.25 ug/g | 1 ug/g | N/A |
| Dihydromethysticin | 0.302 % | 3.017 mg/g | 15.09 mg | 30.17 mg | N/A | 0.25 ug/g | 1 ug/g | N/A |
| Flavokavain B | 0.063 % | 0.626 mg/g | 3.13 mg | 6.26 mg | N/A | 0.025 ug/g | 0.1 ug/g | N/A |
| Flavokavain A | 0.04 % | 0.399 mg/g | 2.00 mg | 3.99 mg | N/A | 0.025 ug/g | 0.1 ug/g | N/A |
| Total Kavalactones and Kavains | 3.66 % | 36.596 mg/g | 182.98 mg | 365.96 mg | N/A | | | N/A |
| Total Kavalactones | 3.557 % | 35.571 mg/g | 177.85 mg | 355.71 mg | N/A | | | N/A |

ALKU

KRATOM ALKALOIDS - HIGH LEVELLAB-TM-052 - DETERMINATION OF KRATOM ALKALOID CONTENT BY UPLC-DAD
ALKU-DTS-250206-006-01 - WED, FEB 12, 2025

| ANALYTE | VALUE | VALUE (MG/G) | PER SERVING | PER PACKAGE | ACTION LIMIT | LOD | LOQ | STATUS |
|-----------------------|----------|--------------|-------------|-------------|--------------|----------|----------|--------|
| Mitragynine | 0.4995 % | 4.995 mg/g | 24.98 mg | 49.95 mg | N/A | 0.3 ug/g | 0.5 ug/g | N/A |
| Paynantheine | 0.0038 % | 0.038 mg/g | 0.19 mg | 0.38 mg | N/A | 0.3 ug/g | 0.5 ug/g | N/A |
| Speciogynine | 0.0014 % | 0.014 mg/g | 0.07 mg | 0.14 mg | 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 |
| Total Major Alkaloids | 0.5047 % | 5.047 mg/g | 25.24 mg | 50.47 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-250206-006-01 - WED, FEB 12, 2025

| ANALYTE | VALUE | VALUE (MG/G) | PER SERVING | PER PACKAGE | ACTION LIMIT | LOD | LOQ | STATUS |
|-----------------------|------------|--------------|-------------|-------------|--------------|------------|------------|--------|
| 7-Hydroxymitragynine | 0.00086 % | 0.009 mg/g | 0.04 mg | 0.09 mg | N/A | 0.002 ug/g | 0.011 ug/g | N/A |
| Mitraphylline | 0.000010 % | 0 mg/g | 0.00 mg | 0.00 mg | N/A | 0.004 ug/g | 0.019 ug/g | N/A |
| Total Minor Alkaloids | 0.00088 % | 0.009 mg/g | 0.04 mg | 0.09 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-250206-006-01 - TUE, FEB 11, 2025

| 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 | 33.491 ug/g | 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) | 0 ug/g | N/A | N/A | N/A | N/A |
| Hexanes (Sum of Hexane, 2,2-Dimethylbutane, 2,3-Dimethylbutane, 2-Methylpentane, and 3-Methylpentane) | 0 ug/g | N/A | N/A | N/A | N/A |
| Pentanes (Sum of Pentane, 2-Methylbutane, and Neopentane) | 0 ug/g | N/A | N/A | N/A | N/A |



TAMC

TOTAL AEROBIC BACTERIA - PLATELAB-TM-060 - ENUMERATION OF TOTAL AEROBIC COUNT IN FOODS AND DIETARY SUPPLEMENTS
TAMC-DTS-250206-006-01 - TUE, FEB 11, 2025

| ANALYTE | VALUE | ACTION LIMIT | LOD | LOQ | STATUS |
|---------------------|-------|--------------|-----------|-----------|--------|
| Total Aerobic Count | ND | N/A | 100 CFU/g | 100 CFU/g | N/A |

SS

SALMONELLA & STEC- QPCRLAB-TM-006 - MICROBIAL ANALYSIS BY QPCR
SS-DTS-250206-006-01 - WED, FEB 12, 2025

| 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 |

TYMFD

TOTAL YEAST & MOLD - PLATELAB-TM-061 - ENUMERATION OF YEAST AND MOLD IN FOODS AND DIETARY SUPPLEMENTS
TYMFD-DTS-250206-006-01 - WED, FEB 12, 2025

| ANALYTE | VALUE | ACTION LIMIT | LOD | LOQ | STATUS |
|----------------------|-------|--------------|-----------|-----------|--------|
| Total Yeast and Mold | ND | N/A | 100 CFU/g | 100 CFU/g | N/A |

