# Certificate of Analysis

**ANALYZED BY:**

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**CUSTOMER:**

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## SAMPLE INFORMATION

**Sample No.:** 1380079
**Product Name:** Kava-Kratom
**Matrix:** Beverage
**Lot #:** 6400
**PO #:** 101310

**Date Collected:** 01/30/2026
**Date Received:** 02/23/2026
**Date Reported:** 03/02/2026

## TEST SUMMARY

| | | | |
|---|---|---|---|
| **Alkaloids:** | Tested | **Kavalactones:** | Pass |
| **Microbiological Screen:** | Tested | **Residual Solvent Screen:** | Pass |
| **Heavy Metal Screen:** | Pass | **Overall:** | Pass |

## Alkaloids

*02/27/2026*

**Method:** MF 12D030

**Instrument:** Liquid Chromatography Diode Array Detector (LC-DAD)

| Analyte | mg/g | mg/g (dry) | % | % (dry) | mg/ml | mg/ package |
|---|---|---|---|---|---|---|
| 7-OH Mitragynine | ND | ND | ND | ND | ND | ND |
| MGM-15 | ND | ND | ND | ND | ND | ND |
| Mitragynine Pseudoindoxyl | ND | ND | ND | ND | ND | ND |
| Mitragynine | 2.40 | 60.72 | 0.240 | 6.072 | 2.44 | 143.93 |
| Paynantheine | 0.35 | 8.75 | 0.035 | 0.875 | 0.35 | 20.75 |
| Speciogynine | 0.17 | 4.37 | 0.017 | 0.437 | 0.18 | 10.36 |
| Speciociliatine | ND | ND | ND | ND | ND | ND |
| Total Alkaloids | 2.92 | 73.85 | 0.292 | 7.385 | 2.97 | 175.04 |
| **Package Weight (g)** | 60.0089 | | | | | |
| **g/ml Conversion Factor** | 1.0171 | | | | | |
| **Moisture** | 96.05 % | | | | | |

## Kavalactones

*03/02/2026*

**Method:** Standard Solution Assay Parameters provided by Cerilliant

**Instrument:** HPLC-DAD

| Analyte | LOD/LOQ | Findings | Units |
|---|---|---|---|
| Methysticin | - | 0.56 | mg/mL |
| Dihydromethysticin | - | 0.45 | mg/mL |
| Kavain | - | 1.66 | mg/mL |
| Dihydrokavain | - | 1.38 | mg/mL |
| Yangonin | - | 0.61 | mg/mL |
| Desmethoxyyangonin | - | 0.53 | mg/mL |
| Flavokawain C | 0.001/0.006 | None Detected | mg/mL |
| Flavokawain A | - | 0.06 | mg/mL |
| Flavokawain B | - | 0.11 | mg/mL |
| Total Kavalactones | - | 5.35 | mg/mL |

## Microbiological Screen

*03/02/2026*

| Analyte | Findings | Units | Method |
|---|---|---|---|
| Standard Plate Count | <100 | cfu/g | FDA BAM |
| Yeast | <10 | cfu/g | FDA BAM |
| Mold | <10 | cfu/g | FDA BAM |
| Coliforms | <10 | cfu/g | FDA BAM - ECC AGAR |
| E. Coli | <10 | cfu/g | FDA BAM - ECC AGAR |
| Salmonella | Negative | /25g | AOAC 2013.01 |



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## Residual Solvent Screen ✔ Pass

*02/27/2026*

**Method:** USP <467>

| Analyte | LOD/LOQ (ppm) | Findings (ppm) | Limit (ppm) | Status |
|---|---|---|---|---|
| 1,2-Dichloroethane | 0.2/0.5 | ND | 5 | Pass |
| Acetone | 67/200 | ND | 5000 | Pass |
| Acetonitrile | 67/200 | ND | 410 | Pass |
| Benzene | 0.2/0.5 | ND | 2 | Pass |
| n-Butane | 67/200 | ND | - | - |
| Chloroform | 0.2/0.5 | ND | 60 | Pass |
| Ethanol | 67/200 | ND | 5000 | Pass |
| Ethyl acetate | 67/200 | ND | 5000 | Pass |
| Ethyl ether | 67/200 | ND | 5000 | Pass |
| Ethylene oxide | 0.2/0.5 | ND | 10 | Pass |
| n-Heptane | 67/200 | ND | 5000 | Pass |
| n-Hexane | 67/200 | ND | 290 | Pass |
| Isopropyl alcohol | 67/200 | ND | 5000 | Pass |
| Methanol | 67/200 | <LOQ | 3000 | Pass |
| Methylene chloride | 0.2/0.5 | ND | 600 | Pass |
| n-Pentane | 67/200 | ND | 5000 | Pass |
| Propane | 67/200 | ND | - | - |
| Toluene | 67/200 | ND | 890 | Pass |
| Total xylenes (ortho-, meta-, para-) | 67/200 | ND | 2170 | Pass |
| Trichloroethylene | 0.2/0.5 | ND | 80 | Pass |

## Heavy Metal Screen ✔ Pass

*02/27/2026*

**Method:** MF-CHEM-16

**Instrument:** Inductively Coupled Plasma Mass Spectrometry (ICP-MS)

| Analyte | Findings (µg/day) | Limit (µg/day) | Status |
|---|---|---|---|
| Arsenic | ND | 10 | Pass |
| Cadmium | ND | 4.1 | Pass |
| Mercury | ND | 2 | Pass |
| Lead | ND | 6 | Pass |

ND = None Detected
LOD = Limit of Detection
LOQ = Limit of Quantitation

Reported by




Vu Lam
Lab Co Director

March 02, 2026

Scan to verify



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