

# Certificate of Analysis



**Sample Name:** Kratom Seltzer - Tropical Tide  
**Client:** Burma Brewing - Kava and Company  
**Sample Code:** DTS-260108-042  
**Matrix Name:** Beverage  
**Type / Result:** N/A - Pass



**Received Date:** Fri, Jan 9, 2026  
**Published Date:** Wed, Jan 14, 2026  
**Batch/Lot Code:** 2539  
**Batch Size:** N/A  
**Sample Size:** 3U  
**Average Unit Weight:** 358.75g

## RESULT SUMMARY

Mitragynine	40.32 mg /serv
Total Major Alkaloids	40.32 mg /serv

ALKU   
**Kratom Alkaloids**  
High Level

ALKL   
**Kratom Alkaloids**  
Low Level

TAMC   
**Total Aerobic Bacteria**  
Plate

TYMFD   
**Total Yeast & Mold**  
Plate

7OHFL   
**7-Hydroxymitragynine**  
Florida

## Approvals

### RESULTS REVIEWED BY:

**Leslie Varela**  
Laboratory Director

Cambium Analytica  
Wednesday, Jan 14, 2026

### RESULTS CERTIFIED BY:

**Douglas Smith**  
VP - Scientific  
Operations

Cambium Analytica  
Wednesday, Jan 14, 2026

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## Lab Information

**Address:** 1230 Woodmere Ave, Traverse City, MI 49686    **Phone:** 231.252.3669    **Accreditation:** ISO/IEC 17025:2017 – #108157



ALKU

**Kratom Alkaloids - High Level**LAB-TM-052 - Determination of Kratom Alkaloid Content by UPLC-DAD  
ALKU-DTS-260108-042-02 - TUE, JAN 13, 2026

Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
Mitragynine	0.0112 %	0.1124 mg/g	40.32 mg	40.32 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
Speciogynine	ND	N/A	N/A	N/A	N/A	0.3 ug/g	0.5 ug/g	N/A
Total Major Alkaloids*	0.0112 %	0.1124 mg/g	40.32 mg	40.32 mg	N/A	N/A	N/A	N/A

\*Total Major Alkaloids is calculated as the sum of Mitragynine, Paynantheine, Speciociliatine and Speciogynine.

ALKL

**Kratom Alkaloids - Low Level**LAB-TM-047 - Determination of Kratom Alkaloid Content by LC-TQ  
ALKL-DTS-260108-042-01 - WED, JAN 14, 2026

Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
7-Hydroxymitragynine	0.00013 %	0.00127 mg/g	0.46 mg	0.46 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*	0.00013 %	0.00127 mg/g	0.46 mg	0.46 mg	N/A	N/A	N/A	N/A

\*Total Minor Alkaloids is calculated as the sum of 7-Hydroxymitragynine and Mitraphylline.

TAMC

**Total Aerobic Bacteria - Plate - 25g - Full Range**LAB-TM-060 - Enumeration of Total Aerobic Count in Foods and Dietary Supplements  
TAMC-DTS-260108-042-01 - TUE, JAN 13, 2026

Analyte	Value	Action Limit	LOD	LOQ	Status
Total Aerobic Count	ND	N/A	10 CFU/g	10 CFU/g	N/A

TYMFD

**Total Yeast & Mold - Plate - 25g - Full Range**LAB-TM-061 - Enumeration of Yeast and Mold in Foods and Dietary Supplements  
TYMFD-DTS-260108-042-01 - WED, JAN 14, 2026

Analyte	Value	Action Limit	LOD	LOQ	Status
Total Mold	ND	N/A	10 CFU/g	10 CFU/g	N/A
Total Yeast	ND	N/A	10 CFU/g	10 CFU/g	N/A
Total Yeast and Mold*	ND	N/A	10 CFU/g	10 CFU/g	N/A

\*Total Yeast and Mold is calculated as the sum of Total Yeast and Total Mold



7OHFL

**7-Hydroxymitragynine - Florida - Dry-Weight Basis**

7-Hydroxymitragynine - (Florida — Dry-Weight Basis)

7OHFL-DTS-260108-042-01 - WED, JAN 14, 2026

Analyte	Value	Action Limit	LOD	LOQ	Status
7-Hydroxymitragynine - As Received*	1.30 ppm	N/A	N/A	N/A	N/A
7-Hydroxymitragynine - Dry-Weight*	36.62 ppm	400 ppm	N/A	N/A	PASS
Moisture (%) by Input*	96.45 %	N/A	N/A	N/A	N/A

\*7-Hydroxymitragynine - As Received: The "As Received" value represents the concentration of 7-hydroxymitragynine, expressed in parts per million (ppm), as reported in the Kratom Alkaloids - Low Level test. This corresponds to the measured percentage of 7-hydroxymitragynine in the sample as received.

\*7-Hydroxymitragynine (Dry-Weight Basis): The dry weight concentration of 7-hydroxymitragynine is calculated using the following formula: Dry Weight 7-Hydroxymitragynine (ppm) = 7-Hydroxymitragynine (ppm) x (100 / (100 - Moisture by Input (%)))

\*The Moisture (%) by Input result may represent either a client-provided input or a value measured by Cambium. This value is incorporated into associated calculated analytes for reporting purposes.

