

Certificate of Analysis



Sample Name: Uchie - Watermelon Sparkling Kratom Kava Seltzer
Client: Marina Tech
Sample Code: DTS-260128-072
Matrix Name: Beverage
Type / Result: Quality Assurance - Pass



Received Date: Thu, Jan 29, 2026
Published Date: Wed, Feb 4, 2026
Batch/Lot Code: N-1638
Batch Size: N/A
Sample Size: 355mL
Average Unit Weight: 347.91g


RESULT SUMMARY

Total Kavalactones and Kavains	73.13 mg /serv
Total Kavalactones	70.96 mg /serv
Total Flavokavains	2.17 mg /serv
Mitragynine	32.53 mg /serv
Total Major Alkaloids	32.53 mg /serv


KAVAL ✓ Kavalactones & Kavains	ALKU ✓ Kratom Alkaloids High Level	ALKL ✓ Kratom Alkaloids Low Level	PH ✓ pH
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Approvals

RESULTS REVIEWED BY:

 **Leslie Varela**
Laboratory Director
Cambium Analytica
Wednesday, Feb 4, 2026

RESULTS CERTIFIED BY:

 **Douglas Smith**
VP - Scientific Operations
Cambium Analytica
Wednesday, Feb 4, 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



KAVAL

Kavalactones & KavainsLAB-TM-067 - Determination of Kavalactones & Kavains by LC-DAD
KAVAL-DTS-260128-072-02 - TUE, FEB 3, 2026

Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
Kavain	0.0069 %	0.0686 mg/g	23.85 mg	23.85 mg	N/A	0.25 ug/g	1 ug/g	N/A
Dihydrokavain	0.0062 %	0.0624 mg/g	21.71 mg	21.71 mg	N/A	0.25 ug/g	1 ug/g	N/A
Dihydromethysticin	0.0026 %	0.0259 mg/g	9.02 mg	9.02 mg	N/A	0.25 ug/g	1 ug/g	N/A
Methysticin	0.0021 %	0.0207 mg/g	7.21 mg	7.21 mg	N/A	0.25 ug/g	1 ug/g	N/A
Yangonin	0.0016 %	0.0164 mg/g	5.71 mg	5.71 mg	N/A	0.25 ug/g	1 ug/g	N/A
Desmethoxyyangonin	0.0010 %	0.0100 mg/g	3.47 mg	3.47 mg	N/A	0.25 ug/g	1 ug/g	N/A
Flavokavain B	0.0004 %	0.0038 mg/g	1.34 mg	1.34 mg	N/A	0.025 ug/g	0.1 ug/g	N/A
Flavokavain A	0.0002 %	0.0024 mg/g	0.83 mg	0.83 mg	N/A	0.025 ug/g	0.1 ug/g	N/A
Total Kavalactones and Kavains*	0.0210 %	0.2102 mg/g	73.13 mg	73.13 mg	N/A	N/A	N/A	N/A
Total Kavalactones*	0.0204 %	0.2040 mg/g	70.96 mg	70.96 mg	N/A	N/A	N/A	N/A
Total Flavokavains*	0.0006 %	0.0062 mg/g	2.17 mg	2.17 mg	N/A	N/A	N/A	N/A

*Total Kavalactones and Kavains is calculated as the sum of all quantified kavalactones and kavains.

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*Total Flavokavains is calculated as the sum of Flavokavain A, Flavokavain B and Flavokavain C.

ALKU

Kratom Alkaloids - High LevelLAB-TM-052 - Determination of Kratom Alkaloid Content by UPLC-DAD
ALKU-DTS-260128-072-02 - TUE, FEB 3, 2026

Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
Mitragynine	0.0094 %	0.0935 mg/g	32.53 mg	32.53 mg	N/A	0.0050 mg/g	0.0099 mg/g	N/A
Paynantheine	ND	N/A	N/A	N/A	N/A	0.0050 mg/g	0.0099 mg/g	N/A
Speciociliatine	ND	N/A	N/A	N/A	N/A	0.0050 mg/g	0.0099 mg/g	N/A
Speciogynine	ND	N/A	N/A	N/A	N/A	0.0050 mg/g	0.0099 mg/g	N/A
Total Major Alkaloids*	0.0094 %	0.0935 mg/g	32.53 mg	32.53 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 LevelLAB-TM-047 - Determination of Kratom Alkaloid Content by LC-TQ
ALKL-DTS-260128-072-01 - TUE, FEB 3, 2026

Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
7-Hydroxymitragynine	0.00000 %	0.00001 mg/g	0.00 mg	0.00 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*	0.00000 %	0.00001 mg/g	0.00 mg	0.00 mg	N/A	N/A	N/A	N/A

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



PH

pH
LAB-TM-018 - Determination of pH
PH-DTS-260128-072-01 - MON, FEB 2, 2026



Analyte	Value	Action Limit	LOD	LOQ	Status
pH	2.659	N/A	N/A	N/A	N/A

