

Certificate of Analysis

Sample Name: Uchie - Mango Sparkling Kratom Kava Seltzer
Client: Marina Tech
Sample Code: DTS-251016-038
Matrix Name: Beverage
Type / Result: Quality Assurance - Pass



Received Date: Mon, Oct 20, 2025
Published Date: Wed, Oct 22, 2025
Batch/Lot Code: N-1530
Batch Size: N/A
Sample Size: 353.4g
Average Unit Weight: 336.73g

RESULT SUMMARY	
Total Kavalactones and Kavains	80.34 mg /serv
Total Kavalactones	78.12 mg /serv
Total Flavokavains	2.22 mg /serv
Mitragynine	27.75 mg /serv
Total Major Alkaloids	27.75 mg /serv

KAVAL Kavalactones & Kavains	ALKU Kratom Alkaloids High Level	ALKL Kratom Alkaloids Low Level	MOS Moisture Content Loss on Drying	PH pH
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Approvals

RESULTS REVIEWED BY:

Leslie Varela
Laboratory Director

Cambium Analytica
Wednesday, Oct 22, 2025

RESULTS CERTIFIED BY:

Douglas Smith
VP - Scientific Operations

Cambium Analytica
Wednesday, Oct 22, 2025

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Lab Information

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Accreditation: ISO/IEC 17025:2017 – #108157



KAVAL Kavalactones & Kavains LAB-TM-067 - Determination of Kavalactones & Kavains by LC-DAD KAVAL-DTS-251016-038-01 - WED, OCT 22, 2025 								
Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
Kavain	0.0075 %	0.0749 mg/g	25.22 mg	25.22 mg	N/A	0.25 ug/g	1 ug/g	N / A
Dihydrokavain	0.0071 %	0.0712 mg/g	23.96 mg	23.96 mg	N/A	0.25 ug/g	1 ug/g	N / A
Dihydromethysticin	0.0026 %	0.0255 mg/g	8.59 mg	8.59 mg	N/A	0.25 ug/g	1 ug/g	N / A
Methysticin	0.0022 %	0.0220 mg/g	7.42 mg	7.42 mg	N/A	0.25 ug/g	1 ug/g	N / A
Desmethoxyyangonin	0.0019 %	0.0191 mg/g	6.43 mg	6.43 mg	N/A	0.25 ug/g	1 ug/g	N / A
Yangonin	0.0019 %	0.0193 mg/g	6.51 mg	6.51 mg	N/A	0.25 ug/g	1 ug/g	N / A
Flavokavain B	0.0004 %	0.0038 mg/g	1.26 mg	1.26 mg	N/A	0.025 ug/g	0.1 ug/g	N / A
Flavokavain A	0.0003 %	0.0028 mg/g	0.95 mg	0.95 mg	N/A	0.025 ug/g	0.1 ug/g	N / A
Total Kavalactones and Kavains*	0.0239 %	0.2386 mg/g	80.34 mg	80.34 mg	N/A	N/A	N/A	N / A
Total Kavalactones*	0.0232 %	0.2320 mg/g	78.12 mg	78.12 mg	N/A	N/A	N/A	N / A
Total Flavokavains*	0.0007 %	0.0066 mg/g	2.22 mg	2.22 mg	N/A	N/A	N/A	N / A

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

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

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

ALKU Kratom Alkaloids - High Level LAB-TM-052 - Determination of Kratom Alkaloid Content by UPLC-DAD ALKU-DTS-251016-038-02 - TUE, OCT 21, 2025								
Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
Mitragynine	0.0082 %	0.0824 mg/g	27.75 mg	27.75 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*	0.0082 %	0.0824 mg/g	27.75 mg	27.75 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-251016-038-01 - WED, OCT 22, 2025 								
Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
Mitraphylline	ND	N/A	N/A	N/A	N/A	0.004 ug/g	0.019 ug/g	N / A
7-Hydroxymitragynine	ND	N/A	N/A	N/A	N/A	0.002 ug/g	0.011 ug/g	N / A
Total Minor Alkaloids*	0.00000 %	0.00000 mg/g	0 mg	0 mg	N/A	N/A	N/A	N / A

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



MOS

Moisture Content - Loss on Drying

LAB-TM-008 - Loss on Drying

MOS-DTS-251016-038-01 - TUE, OCT 21, 2025



Analyte	Value	Action Limit	LOD	LOQ	Status
Moisture	99.13 %	N/A	N/A	N/A	N / A

PH

pH

LAB-TM-018 - Determination of pH

PH-DTS-251016-038-01 - TUE, OCT 21, 2025



Analyte	Value	Action Limit	LOD	LOQ	Status
pH	2.568	N/A	N/A	N/A	N / A

