

Certificate of Analysis

Sample Name: Liquid Extract
Client: Kr8om - FJB
Sample Code: DTS-260423-050
Matrix Name: Extract - Liquid
Type / Result: Batch Release - Pass



Received Date: Tue, Apr 28, 2026
Published Date: Mon, May 4, 2026
Batch/Lot Code: 10AT006
Batch Size: 216L
Sample Size: 64g
Average Unit Weight: 1.0383g (Density (g/mL))

RESULT SUMMARY	
Total Kavalactones and Kavains	1.24 mg /serv
Total Kavalactones	1.20 mg /serv
Total Flavokavains	<LOQ %
Mitragynine	0.86 mg /serv
Total Major Alkaloids	0.86 mg /serv

KAVAL Kavalactones & Kavains	ALKU Kratom Alkaloids High Level	ALKL Kratom Alkaloids Low Level	ECOLI Total Coliforms & E. coli Plate	AFLA Aflatoxins USP <S61>
TAMC Total Aerobic Bacteria Plate	DEN Density of Liquids	TYMFD Total Yeast & Mold Plate	FTIRR Identification by FTIR Report	

Approvals					
RESULTS REVIEWED BY:			RESULTS CERTIFIED BY:		
	Leslie Nagy Laboratory Director	Cambium Analytica Monday, May 4, 2026		Douglas Smith VP - Scientific Operations	Cambium Analytica Monday, May 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 & Kavains LAB-TM-067 - Determination of Kavalactones & Kavains by LC-DAD KAVAL-DTS-260423-050-02 - THU, APR 30, 2026								
Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
Kavain	0.0454 %	0.4539 mg/g	0.47 mg	0.47 mg	N/A	0.0248 mg/g	0.0496 mg/g	N / A
Dihydrokavain	0.0252 %	0.2518 mg/g	0.26 mg	0.26 mg	N/A	0.0248 mg/g	0.0496 mg/g	N / A
Desmethoxyyangonin	0.0166 %	0.1663 mg/g	0.17 mg	0.17 mg	N/A	0.0248 mg/g	0.0496 mg/g	N / A
Yangonin	0.0106 %	0.1059 mg/g	0.11 mg	0.11 mg	N/A	0.0248 mg/g	0.0496 mg/g	N / A
Methysticin	0.0105 %	0.1052 mg/g	0.11 mg	0.11 mg	N/A	0.0248 mg/g	0.0496 mg/g	N / A
Dihydromethysticin	0.0075 %	0.0747 mg/g	0.08 mg	0.08 mg	N/A	0.0248 mg/g	0.0496 mg/g	N / A
Flavokavain B	0.0024 %	0.0239 mg/g	0.02 mg	0.02 mg	N/A	0.0025 mg/g	0.0050 mg/g	N / A
Flavokavain A	0.0014 %	0.0136 mg/g	0.01 mg	0.01 mg	N/A	0.0025 mg/g	0.0050 mg/g	N / A
Total Kavalactones and Kavains*	0.1195 %	1.1953 mg/g	1.24 mg	1.24 mg	N/A	N/A	N/A	N / A
Total Kavalactones*	0.1158 %	1.1578 mg/g	1.20 mg	1.20 mg	N/A	N/A	N/A	N / A
Total Flavokavains*	<LOQ	N/A	N/A	N/A	N/A	0.0248 mg/g	0.0496 mg/g	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 all quantified flavokavains.

ALKU Kratom Alkaloids - High Level LAB-TM-052 - Determination of Kratom Alkaloid Content by UPLC-DAD ALKU-DTS-260423-050-01 - FRI, MAY 1, 2026								
Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
Mitragynine	0.0826 %	0.8262 mg/g	0.86 mg	0.86 mg	N/A	0.0487 mg/g	0.0973 mg/g	N / A
Paynantheine	ND	N/A	N/A	N/A	N/A	0.0487 mg/g	0.0973 mg/g	N / A
Speciociliatine	ND	N/A	N/A	N/A	N/A	0.0487 mg/g	0.0973 mg/g	N / A
Speciogynine	ND	N/A	N/A	N/A	N/A	0.0487 mg/g	0.0973 mg/g	N / A
Total Major Alkaloids*	0.0826 %	0.8262 mg/g	0.86 mg	0.86 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-260423-050-01 - FRI, MAY 1, 2026								
Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
7-Hydroxymitragynine	0.00004 %	0.00035 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*	0.00004 %	0.00035 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.



ECOLI Total Coliforms & E. coli - Plate - 25g - Full Range LAB-TM-059 - Enumeration of Escherichia coli and Total Coliform in Foods and Dietary Supplements ECOLI-DTS-260423-050-01 - THU, APR 30, 2026 					
Analyte	Value	Action Limit	LOD	LOQ	Status
E. coli	ND	Detection	10 CFU/g	10 CFU/g	PASS
Total Coliforms	ND	N/A	10 CFU/g	10 CFU/g	N/A

USP <61> - Vendor Modified, USP <2021> - Vendor Modified, USP <1223>, AOAC PTM 051801, AOAC OMA 2018.13

AFLA Aflatoxins - USP <561> LAB-TM-043 - USP 561 Aflatoxins Analysis in Articles of Botanical Origin by LC-TQ AFLA-DTS-260423-050-01 - MON, MAY 4, 2026 					
Analyte	Value	Action Limit	LOD	LOQ	Status
Aflatoxin B1	ND	N/A	0.001 ug/g	0.002 ug/g	N/A
Ochratoxin A	ND	N/A	0.001 ug/g	0.002 ug/g	N/A
Aflatoxin B2	ND	N/A	0.001 ug/g	0.002 ug/g	N/A
Aflatoxin G2	ND	N/A	0.001 ug/g	0.002 ug/g	N/A
Aflatoxin G1	ND	N/A	0.001 ug/g	0.002 ug/g	N/A
Total Aflatoxins*	0.000 ug/g	N/A	N/A	N/A	N/A

*Total Aflatoxins is calculated as the sum of B1, B2, G1, and G2

TAMC Total Aerobic Bacteria - Plate - 25g - Full Range LAB-TM-060 - Enumeration of Total Aerobic Count in Foods and Dietary Supplements TAMC-DTS-260423-050-01 - THU, APR 30, 2026 					
Analyte	Value	Action Limit	LOD	LOQ	Status
Total Aerobic Count	ND	10000 CFU/g	100 CFU/g	100 CFU/g	PASS

USP <61> - Vendor Modified, USP <1223>, AOAC PTM 121403, AOAC OMA 2015.13

DEN Density of Liquids LAB-TM-017 - Brix & Density Analysis DEN-DTS-260423-050-01 - WED, APR 29, 2026 					
Analyte	Value	Action Limit	LOD	LOQ	Status
Density	1.0383 g/mL	N/A	N/A	N/A	N/A
Specific Gravity*	1.0402	N/A	N/A	N/A	N/A

*Specific gravity is calculated using the density of water at 20 °C (0.9982 g/mL) using the equation: [Specific Gravity = (Density of sample in g/mL) ÷ 0.9982 g/mL]



TYMFD Total Yeast & Mold - Plate - 25g - Full Range LAB-TM-061 - Enumeration of Yeast and Mold in Foods and Dietary Supplements TYMFD-DTS-260423-050-01 - MON, MAY 4, 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	1000 CFU/g	10 CFU/g	10 CFU/g	PASS

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

USP <61> - Vendor Modified, USP <1223>, AOAC PTM 121301, AOAC OMA 2014.05

FTIRR Identification by FTIR - Report ANA-TM-113 - Identification by FTIR FTIRR-DTS-260423-050-01 - THU, APR 30, 2026					
Analyte	Value	Action Limit	LOD	LOQ	Status
Quality Index Score	98.4 %	N/A	N/A	N/A	N/A

USP <197>, USP <854>, USP <1854>

Kratom Beverage

