

Certificate of Analysis

Sample Name: Kratom Gummies
Client: Kava and Company
Sample Code: DTS-250625-054
Matrix Name: Edible Solid - Gummy
Type / Result: Quality Assurance - Pass



Received Date: Fri, Aug 8, 2025
Published Date: Wed, Aug 13, 2025
Batch/Lot Code: KT0625-2
Batch Size: N/A
Sample Size: 1U
Average Unit Weight: 8.9975g

Result Summary	
Mitragynine	18.59 mg /serv
Total Major Alkaloids	27.63 mg /serv
Total Minor Alkaloids	0.03 mg /serv

ALKU
Kratom Alkaloids
High Level

ALKL
Kratom Alkaloids
Low Level

Approvals

RESULTS REVIEWED BY:

Leslie Varela

Leslie Varela
Laboratory Director

Cambium Analytica
Wednesday, Aug 13, 2025

RESULTS CERTIFIED BY:

Douglas Smith

Douglas Smith
VP - Scientific Operations

Cambium Analytica
Wednesday, Aug 13, 2025

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DTS-250625-054

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ALKU

Kratom Alkaloids - High Level
LAB-TM-052 - Determination of Kratom Alkaloid Content by UPLC-DAD
ALKU-DTS-250625-054-03 - WED, AUG 13, 2025

Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
Mitragynine	0.2066 %	2.0656 mg/g	18.59 mg	18.59 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Paynantheine	0.0421 %	0.4212 mg/g	3.79 mg	3.79 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciocillatine	0.0361 %	0.3605 mg/g	3.24 mg	3.24 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciogynine	0.0223 %	0.2230 mg/g	2.01 mg	2.01 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Total Major Alkaloids	0.3070 %	3.0704 mg/g	27.63 mg	27.63 mg	N/A	N/A	N/A	N/A

ALKL

Kratom Alkaloids - Low Level
LAB-TM-047 - Determination of Kratom Alkaloid Content by LC-TO
ALKL-DTS-250625-054-01 - WED, AUG 13, 2025



Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
7-Hydroxymitragynine	0.00037 %	0.00373 mg/g	0.03 mg	0.03 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	0.00037 %	0.00373 mg/g	0.03 mg	0.03 mg	N/A	0.006 ug/g	0.03 ug/g	N/A

