

CERTIFICATE OF ANALYSIS



1230 Woodmere Ave
Traverse City, MI 49686
231.252.3669
cambiumanalytica.com

SAMPLE NAME: TEST 1
SAMPLE CODE: DTS-250123-021
CLIENT: KAVA AND COMPANY
BATCH RESULT: PASS



MATRIX NAME: Edible Solid - Gummy
SAMPLE TYPE: Quality Assurance
RECEIVED DATE: Wed, Jan 29, 2025
PUBLISHED DATE: Mon, Feb 3, 2025
BATCH/LOT CODE: N/A
BATCH SIZE: N/A
SAMPLE SIZE: 1U
AVERAGE UNIT WEIGHT: 8.4558g (1 gummy)

MITRAGYNINE	18.00 mg / serv
TOTAL MAJOR ALKALOIDS	26.62 mg / serv
TOTAL MINOR ALKALOIDS	0.03 mg / serv

ALKU ✓ Kratom Alkaloids High Level	ALKL ✓ Kratom Alkaloids Low Level	TAMC ✓ Total Aerobic Bacteria Plate	TYMFD ✓ Total Yeast & Mold Plate	HPMET ✓ Heavy Metals 7
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APPROVALS

RESULTS REVIEWED BY:

Leslie Varela
Laboratory Director

Cambium Analytica
Monday, Feb 3, 2025

RESULTS CERTIFIED BY:

Douglas Smith
VP - Scientific Operations

Cambium Analytica
Monday, Feb 3, 2025

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ALKU KRATOM ALKALOIDS - HIGH LEVEL LAB-TM-052 - DETERMINATION OF KRATOM ALKALOID CONTENT BY UPLC-DAD ALKU-DTS-250123-021-01 - FRI, JAN 31, 2025								
ANALYTE	VALUE	VALUE (MG/G)	PER SERVING	PER PACKAGE	ACTION LIMIT	LOD	LOQ	STATUS
Mitragynine	0.2129 %	2.129 mg/g	18.00 mg	18.00 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciociliatine	0.041 %	0.41 mg/g	3.47 mg	3.47 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Paynantheine	0.0389 %	0.389 mg/g	3.29 mg	3.29 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciogyneine	0.022 %	0.22 mg/g	1.86 mg	1.86 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Total Major Alkaloids	0.3148 %	3.148 mg/g	26.62 mg	26.62 mg	N/A	N/A	N/A	N/A

ALKL KRATOM ALKALOIDS - LOW LEVEL LAB-TM-047 - DETERMINATION OF KRATOM ALKALOID CONTENT BY LC-TQ ALKL-DTS-250123-021-01 - FRI, JAN 31, 2025								
ANALYTE	VALUE	VALUE (MG/G)	PER SERVING	PER PACKAGE	ACTION LIMIT	LOD	LOQ	STATUS
7-Hydroxymitragynine	0.0004 %	0.004 mg/g	0.03 mg	0.03 mg	N/A	0.002 ug/g	0.011 ug/g	N/A
Mitraphylline	1E-05 %	0 mg/g	0.00 mg	0.00 mg	N/A	0.004 ug/g	0.019 ug/g	N/A
Total Minor Alkaloids	0.00041 %	0.004 mg/g	0.03 mg	0.03 mg	N/A	0.006 ug/g	0.03 ug/g	N/A



TAMC TOTAL AEROBIC BACTERIA - PLATE LAB-TM-060 - ENUMERATION OF TOTAL AEROBIC COUNT IN FOODS AND DIETARY SUPPLEMENTS TAMC-DTS-250123-021-01 - FRI, JAN 31, 2025								
ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS			
Total Aerobic Count	ND	N/A	100 CFU/g	100 CFU/g	N/A			



TYMFD TOTAL YEAST & MOLD - PLATE LAB-TM-061 - ENUMERATION OF YEAST AND MOLD IN FOODS AND DIETARY SUPPLEMENTS TYMFD-DTS-250123-021-01 - MON, FEB 3, 2025								
ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS			
Total Yeast and Mold	ND	N/A	100 CFU/g	100 CFU/g	N/A			





ANALYTE	VALUE	VALUE (MG/G)	PER SERVING	PER PACKAGE	ACTION LIMIT	LOD	LOQ	STATUS
Arsenic	ND	N/A	N/A	N/A	N/A	0.198 ug/kg	0.662 ug/kg	N/A
Cadmium	ND	N/A	N/A	N/A	N/A	0.082 ug/kg	0.272 ug/kg	N/A
Chromium	0.032 ug/g	0 mg/g	0.27 ug	0.27 ug	N/A	0.627 ug/kg	2.091 ug/kg	N/A
Copper	0.07 ug/g	0 mg/g	0.59 ug	0.59 ug	N/A	0.155 ug/kg	0.515 ug/kg	N/A
Lead	0.01 ug/g	0 mg/g	0.08 ug	0.08 ug	N/A	0.155 ug/kg	0.515 ug/kg	N/A
Mercury	0 ug/g	0 mg/g	0.00 ug	0.00 ug	N/A	0.017 ug/kg	0.057 ug/kg	N/A
Nickel	0.024 ug/g	0 mg/g	0.20 ug	0.20 ug	N/A	0.321 ug/kg	1.071 ug/kg	N/A

