

CERTIFICATE OF ANALYSIS

SAMPLE NAME: LIZZY'S LAZY LEMONADE
SAMPLE CODE: DTS-250206-005
CLIENT: 1836 KRATOM
BATCH RESULT: PASS

MATRIX NAME: Beverage
SAMPLE TYPE: Quality Assurance
RECEIVED DATE: Fri, Feb 7, 2025
PUBLISHED DATE: Thu, Feb 13, 2025
BATCH/LOT CODE: SSLM0002
BATCH SIZE: N/A
SAMPLE SIZE: 1U
AVERAGE UNIT WEIGHT: 373.49g

MITRAGYNINE 50.42 mg / serv

TOTAL MAJOR ALKALOIDS 50.42 mg / serv

TOTAL MINOR ALKALOIDS 0.05 mg / serv



KAVAL ✓

Kavalactones & Kavains

ALKU ✓

Kratom Alkaloids
High Level

ALKL ✓

Kratom Alkaloids
Low Level

SOL ✓

Residual Solvents
USP <467>

TAMC ✓

Total Aerobic Bacteria
Plate

SS ✓

Salmonella & STEC
qPCR

TYMFD ✓

Total Yeast & Mold
Plate

APPROVALS

RESULTS REVIEWED BY:



Leslie Varela
Laboratory Director

Cambium Analytica
Thursday, Feb 13, 2025

RESULTS CERTIFIED BY:



Douglas Smith
VP - Scientific Operations

Cambium Analytica
Thursday, Feb 13, 2025

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KAVAL KAVALACTONES & KAVAINS LAB-TM-067 - DETERMINATION OF KAVALACTONES & KAVAINS BY LC-DAD KAVAL-DTS-250206-005-01 - TUE, FEB 11, 2025								
ISO 9001:2015 ACCREDITED								
ANALYTE	VALUE	VALUE (MG/G)	PER SERVING	PER PACKAGE	ACTION LIMIT	LOD	LOQ	STATUS
Kavain	0.031 %	0.311 mg/g	116.29 mg	116.29 mg	N/A	0.25 ug/g	1 ug/g	N/A
Dihydrokavain	0.023 %	0.23 mg/g	85.90 mg	85.90 mg	N/A	0.25 ug/g	1 ug/g	N/A
Yangonin	0.01 %	0.104 mg/g	39.01 mg	39.01 mg	N/A	0.25 ug/g	1 ug/g	N/A
Desmethoxyyangonin	0.009 %	0.092 mg/g	34.50 mg	34.50 mg	N/A	0.25 ug/g	1 ug/g	N/A
Methysticin	0.009 %	0.087 mg/g	32.54 mg	32.54 mg	N/A	0.25 ug/g	1 ug/g	N/A
Dihydromethysticin	0.008 %	0.077 mg/g	28.67 mg	28.67 mg	N/A	0.25 ug/g	1 ug/g	N/A
Flavokavain A	0.001 %	0.01 mg/g	3.56 mg	3.56 mg	N/A	0.025 ug/g	0.1 ug/g	N/A
Flavokavain B	0.001 %	0.014 mg/g	5.41 mg	5.41 mg	N/A	0.025 ug/g	0.1 ug/g	N/A
Total Kavalactones and Kavains	0.093 %	0.926 mg/g	345.88 mg	345.88 mg	N/A			N/A
Total Kavalactones	0.09 %	0.902 mg/g	336.91 mg	336.91 mg	N/A			N/A

ALKU KRATOM ALKALOIDS - HIGH LEVEL LAB-TM-052 - DETERMINATION OF KRATOM ALKALOID CONTENT BY UPLC-DAD ALKU-DTS-250206-005-01 - WED, FEB 12, 2025								
ISO 9001:2015 ACCREDITED								
ANALYTE	VALUE	VALUE (MG/G)	PER SERVING	PER PACKAGE	ACTION LIMIT	LOD	LOQ	STATUS
Mitragynine	0.0135 %	0.135 mg/g	50.42 mg	50.42 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	0.0135 %	0.135 mg/g	50.42 mg	50.42 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-250206-005-01 - WED, FEB 12, 2025								
ISO 9001:2015 ACCREDITED								
ANALYTE	VALUE	VALUE (MG/G)	PER SERVING	PER PACKAGE	ACTION LIMIT	LOD	LOQ	STATUS
7-Hydroxymitragynine	0.000010 %	0 mg/g	0.05 mg	0.05 mg	N/A	0.002 ug/g	0.011 ug/g	N/A
Mitraphylline	<LOQ	N/A	N/A	N/A	N/A	0.004 ug/g	0.019 ug/g	N/A
Total Minor Alkaloids	0.000010 %	0 mg/g	0.05 mg	0.05 mg	N/A	0.006 ug/g	0.03 ug/g	N/A





ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
1,2-Dichloroethane	ND	N/A	0.4 ug/g	1.00 ug/g	N/A
2-Methylbutane	ND	N/A	1.54 ug/g	5.14 ug/g	N/A
2-Methylpentane	ND	N/A	0.046 ug/g	0.154 ug/g	N/A
2,2-Dimethylbutane	ND	N/A	0.98 ug/g	3.27 ug/g	N/A
2,3-Dimethylbutane	ND	N/A	2.19 ug/g	7.32 ug/g	N/A
3-Methylpentane	ND	N/A	0.73 ug/g	2.44 ug/g	N/A
Acetone	ND	N/A	1.57 ug/g	5.23 ug/g	N/A
Acetonitrile	ND	N/A	1.85 ug/g	6.17 ug/g	N/A
Benzene	ND	N/A	0.18 ug/g	0.50 ug/g	N/A
Butane	ND	N/A	1.68 ug/g	5.59 ug/g	N/A
Chloroform	ND	N/A	0.78 ug/g	1.00 ug/g	N/A
Ethanol	ND	N/A	6.02 ug/g	20.1 ug/g	N/A
Ethyl Acetate	ND	N/A	1.95 ug/g	6.49 ug/g	N/A
Ethyl Ether	ND	N/A	1.37 ug/g	4.55 ug/g	N/A
Ethylene Oxide	ND	N/A	0.15 ug/g	0.49 ug/g	N/A
Heptane	ND	N/A	1.31 ug/g	4.37 ug/g	N/A
Hexane	ND	N/A	1.42 ug/g	4.74 ug/g	N/A
Isobutane	ND	N/A	1.6 ug/g	5.34 ug/g	N/A
Isopropyl Alcohol	ND	N/A	4.9 ug/g	16.3 ug/g	N/A
Methanol	ND	N/A	7.89 ug/g	26.4 ug/g	N/A
Methylene Chloride	ND	N/A	1.36 ug/g	4.53 ug/g	N/A
Neopentane	ND	N/A	1.49 ug/g	4.97 ug/g	N/A
Pentane	ND	N/A	1.46 ug/g	4.87 ug/g	N/A
Propane	ND	N/A	1.95 ug/g	6.51 ug/g	N/A
Toluene	ND	N/A	1.88 ug/g	6.26 ug/g	N/A
Total Xylenes	ND	N/A	2.02 ug/g	6.72 ug/g	N/A
Trichloroethylene	ND	N/A	0.29 ug/g	0.96 ug/g	N/A
Butanes (Sum of Butane and Isobutane)	0 ug/g	N/A	N/A	N/A	N/A
Hexanes (Sum of Hexane, 2,2-Dimethylbutane, 2,3-Dimethylbutane, 2-Methylpentane, and 3-Methylpentane)	0 ug/g	N/A	N/A	N/A	N/A
Pentanes (Sum of Pentane, 2-Methylbutane, and Neopentane)	0 ug/g	N/A	N/A	N/A	N/A



TAMC

TOTAL AEROBIC BACTERIA - PLATE

LAB-TM-060 - ENUMERATION OF TOTAL AEROBIC COUNT IN FOODS AND DIETARY SUPPLEMENTS

TAMC-DTS-250206-005-01 - TUE, FEB 11, 2025



ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Total Aerobic Count	ND	N/A	100 CFU/g	100 CFU/g	N/A

SS

SALMONELLA & STEC- QPCR

LAB-TM-006 - MICROBIAL ANALYSIS BY QPCR

SS-DTS-250206-005-01 - WED, FEB 12, 2025



ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Salmonella Spp	ND	N/A	N/A	N/A	N/A
Shiga Toxin Producing E. coli	ND	N/A	N/A	N/A	N/A

TYMFD

TOTAL YEAST & MOLD - PLATE

LAB-TM-061 - ENUMERATION OF YEAST AND MOLD IN FOODS AND DIETARY SUPPLEMENTS

TYMFD-DTS-250206-005-01 - WED, FEB 12, 2025

ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Total Yeast and Mold	ND	N/A	100 CFU/g	100 CFU/g	N/A

