

# CERTIFICATE OF ANALYSIS

**SAMPLE NAME:** LIZZY'S LAZY LEMONADE  
**SAMPLE CODE:** DTS-250128-008  
**CLIENT:** 1836 KRATOM  
**BATCH RESULT:** PASS

**MATRIX NAME:** Beverage  
**SAMPLE TYPE:** Quality Assurance  
**RECEIVED DATE:** Wed, Jan 29, 2025  
**PUBLISHED DATE:** Mon, Feb 3, 2025  
**BATCH/LOT CODE:** SSLM0002  
**BATCH SIZE:** N/A  
**SAMPLE SIZE:** 2U  
**AVERAGE UNIT WEIGHT:** 366.58g

**MITRAGYNINE** 48.76 mg / serv

**TOTAL MAJOR ALKALOIDS** 49.49 mg / serv

**TOTAL MINOR ALKALOIDS** 0.11 mg / serv



**KAVAL** ✓  
Kavalactones & Kavains

**ALKU** ✓  
Kratom Alkaloids  
High Level

**ALKL** ✓  
Kratom Alkaloids  
Low Level

**TAMC** ✓  
Total Aerobic Bacteria  
Plate

**SS** ✓  
Salmonella & STEC  
qPCR

**TYMFD** ✓  
Total Yeast & Mold  
Plate

## 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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KAVAL

**KAVALACTONES & KAVAINS**LAB-TM-067 - DETERMINATION OF KAVALACTONES & KAVAINS BY LC-DAD  
KAVAL-DTS-250128-008-01 - MON, FEB 3, 2025

ANALYTE	VALUE	VALUE (MG/G)	PER SERVING	PER PACKAGE	ACTION LIMIT	LOD	LOQ	STATUS
Kavain	0.025 %	0.252 mg/g	92.56 mg	92.56 mg	N/A	0.25 ug/g	1 ug/g	N/A
Dihydrokavain	0.021 %	0.212 mg/g	77.85 mg	77.85 mg	N/A	0.25 ug/g	1 ug/g	N/A
Desmethoxyyangonin	0.008 %	0.08 mg/g	29.17 mg	29.17 mg	N/A	0.25 ug/g	1 ug/g	N/A
Dihydromethysticin	0.007 %	0.07 mg/g	25.67 mg	25.67 mg	N/A	0.25 ug/g	1 ug/g	N/A
Methysticin	0.007 %	0.072 mg/g	26.43 mg	26.43 mg	N/A	0.25 ug/g	1 ug/g	N/A
Yangonin	0.007 %	0.068 mg/g	24.85 mg	24.85 mg	N/A	0.25 ug/g	1 ug/g	N/A
Flavokavain A	0.001 %	0.008 mg/g	3.05 mg	3.05 mg	N/A	0.025 ug/g	0.1 ug/g	N/A
Flavokavain B	0.001 %	0.013 mg/g	4.78 mg	4.78 mg	N/A	0.025 ug/g	0.1 ug/g	N/A
Total Kavalactones and Kavains	0.078 %	0.776 mg/g	284.37 mg	284.37 mg	N/A			N/A
Total Kavalactones	0.075 %	0.754 mg/g	276.53 mg	276.53 mg	N/A			N/A

ALKU

**KRATOM ALKALOIDS - HIGH LEVEL**LAB-TM-052 - DETERMINATION OF KRATOM ALKALOID CONTENT BY UPLC-DAD  
ALKU-DTS-250128-008-01 - FRI, JAN 31, 2025

ANALYTE	VALUE	VALUE (MG/G)	PER SERVING	PER PACKAGE	ACTION LIMIT	LOD	LOQ	STATUS
Mitragynine	0.0133 %	0.133 mg/g	48.76 mg	48.76 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Paynantheine	0.0002 %	0.002 mg/g	0.73 mg	0.73 mg	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	49.49 mg	49.49 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-250128-008-01 - FRI, JAN 31, 2025

ANALYTE	VALUE	VALUE (MG/G)	PER SERVING	PER PACKAGE	ACTION LIMIT	LOD	LOQ	STATUS
7-Hydroxymitragynine	3E-05 %	0 mg/g	0.11 mg	0.11 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	3E-05 %	0 mg/g	0.11 mg	0.11 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-250128-008-01 - 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



SS

**SALMONELLA & STEC- QPCR**LAB-TM-006 - MICROBIAL ANALYSIS BY QPCR  
SS-DTS-250128-008-01 - FRI, JAN 31, 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-250128-008-01 - 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

