

CERTIFICATE OF ANALYSIS

SAMPLE NAME: LIQUID EXTRACT
SAMPLE CODE: DTS-250401-013
CLIENT: KR80M
BATCH RESULT: PASS



MATRIX NAME: Extract - Liquid
SAMPLE TYPE: Quality Assurance
RECEIVED DATE: Wed, Apr 2, 2025
PUBLISHED DATE: Mon, Apr 7, 2025
BATCH/LOT CODE: FL033125BA09
BATCH SIZE: 189L
SAMPLE SIZE: 12mL
AVERAGE UNIT WEIGHT: 1.1909g (Density (g/mL))

MITRAGYNINE 6.48 mg / serv

TOTAL MAJOR ALKALOIDS 12.15 mg / serv

TOTAL MINOR ALKALOIDS 0.00 mg / serv

ALKU ✓
Kratom Alkaloids
High Level

ALKL ✓
Kratom Alkaloids
Low Level

ECOLI ✓
Total E. Coli & Coliforms
Plate

TAMC ✓
Total Aerobic Bacteria
Plate

DEN ✓
Density of Liquids

HVMET ✓
Heavy Metals
4

TYMFD ✓
Total Yeast & Mold
Plate

FTIRR ✓
Identification by FTIR
Report

APPROVALS

RESULTS REVIEWED BY:



Leslie Varela
Laboratory Director

Cambium Analytica
Monday, Apr 7, 2025

RESULTS CERTIFIED BY:



Douglas Smith
VP - Scientific Operations

Cambium Analytica
Monday, Apr 7, 2025

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ALKU

KRATOM ALKALOIDS - HIGH LEVELLAB-TM-052 - DETERMINATION OF KRATOM ALKALOID CONTENT BY UPLC-DAD
ALKU-DTS-250401-013-01 - MON, APR 7, 2025

ANALYTE	VALUE	VALUE (MG/G)	PER SERVING	PER PACKAGE	ACTION LIMIT	LOD	LOQ	STATUS
Mitragynine	0.5441 %	5.441 mg/g	6.48 mg	6.48 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciociliatine	0.2576 %	2.576 mg/g	3.07 mg	3.07 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Paynantheine	0.1368 %	1.368 mg/g	1.63 mg	1.63 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciogygine	0.0818 %	0.818 mg/g	0.97 mg	0.97 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Total Major Alkaloids	1.0203 %	10.203 mg/g	12.15 mg	12.15 mg	N/A	N/A	N/A	N/A

ALKL

KRATOM ALKALOIDS - LOW LEVELLAB-TM-047 - DETERMINATION OF KRATOM ALKALOID CONTENT BY LC-TQ
ALKL-DTS-250401-013-01 - MON, APR 7, 2025

ANALYTE	VALUE	VALUE (MG/G)	PER SERVING	PER PACKAGE	ACTION LIMIT	LOD	LOQ	STATUS
7-Hydroxymitragynine	0.00011 %	0.001 mg/g	0.00 mg	0.00 mg	N/A	0.002 ug/g	0.011 ug/g	N/A
Mitraphylline	0.00001 %	0.000 mg/g	0.00 mg	0.00 mg	N/A	0.004 ug/g	0.019 ug/g	N/A
Total Minor Alkaloids	0.00011 %	0.001 mg/g	0.00 mg	0.00 mg	N/A	0.006 ug/g	0.03 ug/g	N/A

ECOLI

TOTAL E. COLI & COLIFORMS - PLATELAB-TM-059 - ENUMERATION OF ESCHERICHIA COLI AND TOTAL COLIFORM IN FOODS AND DIETARY SUPPLEMENTS
ECOLI-DTS-250401-013-01 - FRI, APR 4, 2025

ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
E. coli	ND	N/A	10 CFU/g	10 CFU/g	N/A
Total Coliforms	ND	N/A	10 CFU/g	10 CFU/g	N/A

TAMC

TOTAL AEROBIC BACTERIA - PLATELAB-TM-060 - ENUMERATION OF TOTAL AEROBIC COUNT IN FOODS AND DIETARY SUPPLEMENTS
TAMC-DTS-250401-013-01 - FRI, APR 4, 2025

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

DEN

DENSITY OF LIQUIDSLAB-TM-017 - BRUX & DENSITY ANALYSIS
DEN-DTS-250401-013-01 - FRI, APR 4, 2025

ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Density	1.1909 g/mL	N/A	N/A	N/A	N/A

HVMET

HEAVY METALS - 4LAB-TM-044 - DETERMINATION OF HEAVY METALS BY ICP-MS
HVMET-DTS-250401-013-01 - FRI, APR 4, 2025

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	0.002 ug/g	0.000 mg/g	0.00 ug	0.00 ug	N/A	0.082 ug/kg	0.272 ug/kg	N/A
Lead	0.003 ug/g	0.000 mg/g	0.00 ug	0.00 ug	N/A	0.155 ug/kg	0.515 ug/kg	N/A
Mercury	ND	N/A	N/A	N/A	N/A	0.017 ug/kg	0.057 ug/kg	N/A



TYMFD

TOTAL YEAST & MOLD - PLATELAB-TM-061 - ENUMERATION OF YEAST AND MOLD IN FOODS AND DIETARY SUPPLEMENTS
TYMFD-DTS-250401-013-01 - MON, APR 7, 2025

ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Total Yeast and Mold	ND	N/A	10 CFU/g	10 CFU/g	N/A

FTIRR

IDENTIFICATION BY FTIR - REPORTNULL IDENTIFICATION BY FTIR
FTIRR-DTS-250401-013-01 - FRI, APR 4, 2025

ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Quality Index Score	98.28 %	N/A	N/A	N/A	N/A

Matched Library Item: Liquid Extract